TRIDONIC

enlightening your ideas

connecDIM

Product manual

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1. Validity

This operating instruction is valid for the connecDIM system.

TRIDONIC GmbH & Co KG is constantly striving to develop all its products. This means that there may be changes in form, equipment and technology.
Claims cannot therefore be made on the basis of information, diagrams or descriptions in these instructions.

The latest version of these operating instructions is available on our home page at
http://www.tridonic.com/com/en/operating-instructions.asp

1.1. Copyright

This documentation may not be changed, expanded, copied or passed to third parties without the prior written agreement of TRIDONIC GmbH & Co KG.
We are always open to comments, corrections and requests. Please send them to info@tridonic.com

1.2. Imprint

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2. Safety instructions

The instructions in this section have been compiled to ensure that operators and users of connecDIM system from Tridonic are able to detect potential risks in good time and take the necessary preventative measures.

- This device may only be installed and configured by suitably qualified personnel.
- Every operator must read these operating instructions carefully and comply with the instructions contained therein.
- The operator must ensure that all users fully understand these instructions and adhere to them.

2.1. Designated use

The connecDIM system is a DALI monitoring and control solution. DALI devices including LED, colour changeable and emergency devices can be controlled locally via easy to use apps or monitored remotely on the connecDIM cloud.
The connecDIM system components can be updated over the web, allowing for a continuously evolving solution.

2.2. Dangers associated with the operation of the system

- The owner must ensure that the wiring instructions and specifications for DALI lines are observed.

The following safety instructions must additionally be observed when using the connecDIM system for controlling emergency lighting systems:

- The owner must ensure that the country-specific regulations and standards for emergency lighting systems are observed.
- The connecDIM system may only be operated by a trained person who has been authorized by the owner and who has the professional training and knowledge, especially of the relevant regulations, to be able to assess the tasks he or she has been assigned as well as possible dangers.
- The owner of the emergency lighting system must ensure that no one but authorized trained persons modify any settings of the connecDIM system

3. The connecDIM System

3.1. System Introduction

The connecDIM system is a DALI monitoring and control solution. DALI devices including LED, colour changeable and emergency devices can be controlled locally via easy to use apps or monitored remotely on the connecDIM cloud.
The connecDIM system components can be updated over the web, allowing for a continuously evolving solution.

3.2. System Component Summary

	Component	Description
	Cloud	The cloud securely records and stores all information regarding the installation. Any change of lamp state, failures and historical information for energy reporting is recorded and saved on the cloud. The cloud is also able to make updates available to the system components already installed in the field. The cloud can be accessed at www.connecDIM.com and new users can register their own connecDIM cloud account at www.connecDIM.com/register.
	Gateway	The gateway controls and monitors four DALI lines and runs locally. Each gateway monitors activity on the DALI line and reacts by reporting information to the cloud if it is connected to the internet. When the gateway is not connected to the internet it stores information for upload later. The gateway allows network control and configuration of the DALI devices connected to the gateway via the connecDIMLite and connecDIMArchitect applications. Data such as scheduling information, time zone, linking and firmware updates are synchronised between the gateway and the cloud.

3.3. System API

There are two APIs that can be used by third parties to interface with the connecDIM system:

- the RESTful cloud API for accessing data in the cloud
- the JSON RPC for reading and controlling DALI information from the connecDIM gateway .

If you are interested in the API documentation please contact your local Tridonic office.

4. Creating your connecDIM Cloud Account

Setup and monitor connecDIM gateways with a connecDIM cloud account.

4.1. Configure your connecDIM Gateways

1. Create a ConnecDIM cloud user account
2. Login to the cloud and create a new site
3. Associate your gateway with the created site

4.2. Creating a connecDIM Cloud User Account

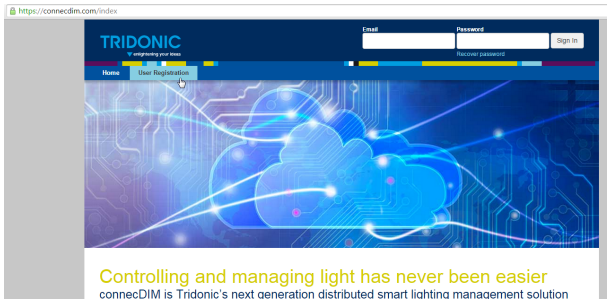
Your connecDIM account will be based on a valid email address which you have access to.
When logged in to the connecDIM cloud account you can monitor and manage multiple DALI installations directly from the cloud.

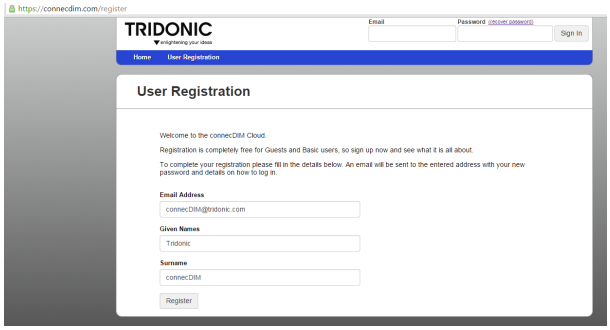
4.3. The connecDIM Cloud Registration Process

1. Enter your account details including your name and email address
2. Verify your email address by clicking on a link emailed to you
3. Log into the cloud

4.4. Entering Account Details

- If you already have a connecDIM account log in with your existing email address and password and read from the "Create a New Site" section.
  If you have forgotten your password, you can use the recover password link and an email will be sent to you with instructions for recovering your password.
- Enter your new account details by visiting the account registration page and filling in the form. The connecDIM cloud will request basic information.

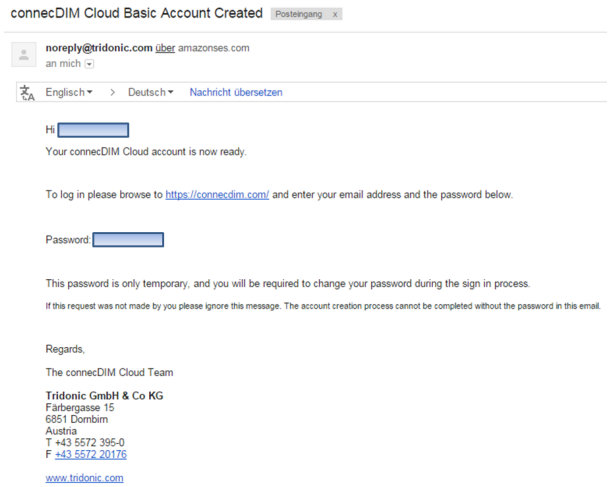



https://connecdim.com/register
TRIDONIC
Email
Password (recover password)
Sign In
Home
User Registration
User Registration
Welcome to the connecDIM Cloud.
Registration is completely free for Guests and Basic users, so sign up now and see what it is all about.
To complete your registration please fill in the details below. An email will be sent to the entered address with your new password and details on how to log in.
Email Address
connecDIM@tridonic.com
Given Names
Tridonic
Surname
connecDIM
Register

- Fill in the above fields and press "Register". The connecDIM cloud will send you a verification email.
- When lamps or ballasts fail the connecDIM cloud will send you maintenance email warnings.

4.5. Verifying Your Email

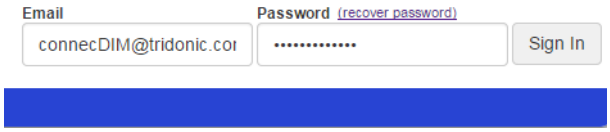
The email below will be sent to the email address you entered. You should receive an email from noreply@tridonic.com within two minutes of registering. If you don't receive an email check your junk email folder.


connecDIM Cloud Basic Account Created
Posteingang
noreply@tridonic.com über amazonses.com
an mich
Englisch
Deutsch
Nachricht übersetzen
Hi
Your connecDIM Cloud account is now ready.
To log in please browse to https://connecdim.com/ and enter your email address and the password below.
Password:
This password is only temporary, and you will be required to change your password during the sign in process.
If this request was not made by you please ignore this message. The account creation process cannot be completed without the password in this email.
Regards,
The connecDIM Cloud Team
Tridonic GmbH & Co KG
Färbergasse 15
6851 Dornbirn
Austria
T +43 5572 395-0
F +43 5572 20176
www.tridonic.com

The email will include a temporary password for logging in to the connecDIM cloud site. If you don't log in to the site with your temporary password within thirty minutes, your user name and account will expire.
The fastest way to enter your temporary password is copying (Cntrl-C) it from the email and pasting (Cntrl-V) it into the password text field.

4.6. Log In for the first Time

When you receive your temporary password in the email visit www.connecdim.com and use your email address and the temporary password for your first log in.



After logging into the connecDIM cloud with your temporary password, change the password to a phrase you can remember and start using the connecDIM cloud.

5. ConnecDIM Company Settings

Once you have purchased connecDIM you have to register for your own company account.

At the moment it is not possible to create a company account yourself. To have a new company account created you can contact your local Tridonic sales office with the following information:

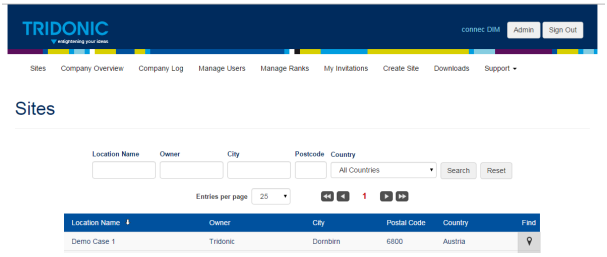
- The name of the company
- The address details of the company, with the following minimum information
  - » street address,
  - » city,
  - » state/region/province,
  - » country and postal code
- The email address of the cloud user who will be marked as the primary account holder

Please ensure that you include all the information listed above. It is very important that your user account already exists in the cloud before sending your request. Otherwise the company account cannot be created.

Also note that the user account which is marked as primary account cannot be a guest account. If you wish to use an email address currently associated with a guest account, you can sign in to the cloud, click on your name in the upper right, and then click the "Upgrade to Basic Account" button. After completing the upgrade this user can be changed into a primary account holder.

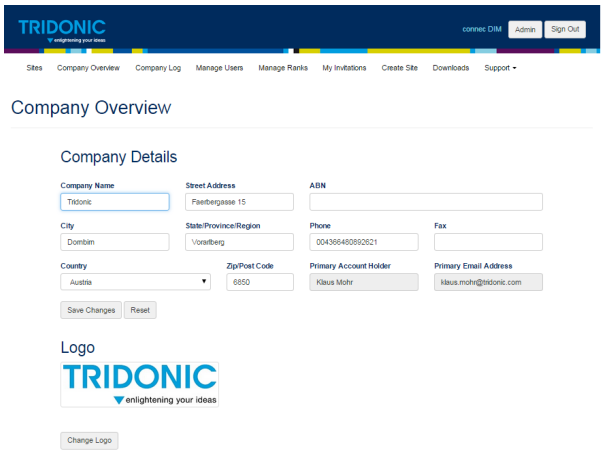
5.1. Sites

Sites gives you an overview of all the sites your user has been invited to.



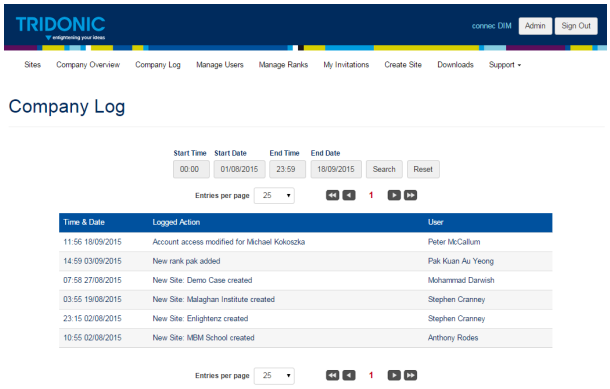
5.2. Company Overview

The company overview gives your information about your company and the account holder. Also, it is possible to upload your own company logo.



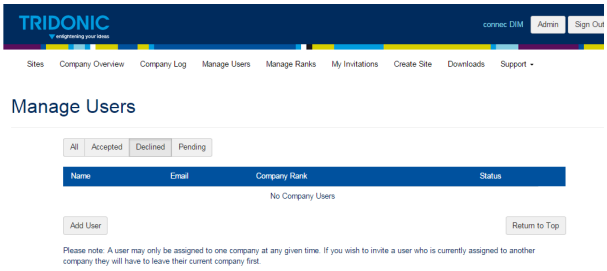
5.3. Company Log

The company log displays the activities that have been logged in your company account, for example about new Sites created.



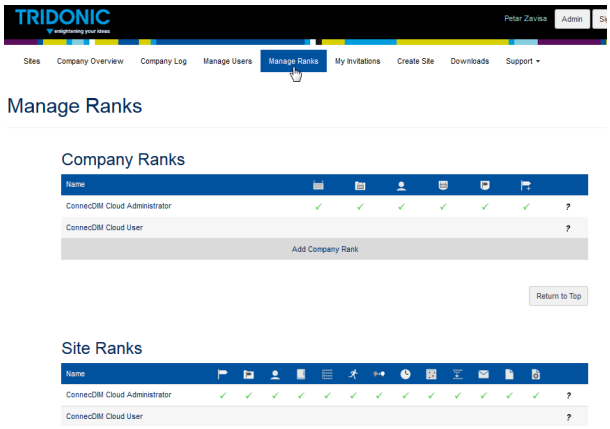
5.4. Manage Users

Gives you an overview of existing company users. Also, you can change the company rank or invite new users to your company account.



5.5. Manage Ranks

The connecDIM provides two default company ranks as well as two default site ranks. These default ranks cannot be modified. But you are able to create and manage your own ranks. These can be assigned to users which will allow them to perform specific functionalities in your sites or your company account.



5.5.1. Company Rank Icons

	Manage Company	With this permission set, a user can: » Edit the company name, address, contact details and other information presented on the "Company Overview" page
	Manage Company Log	With this permission set, a user can: » View the "Company Log" page
	Manage Users	With this permission set, a user can: » View the "Manage Users" page » Invite users to your company account » Modify the user's Company Rank » Dismiss users from your company account
	Manage Company Ranks	With this permission set, a user can: » View the "Manage Ranks" page » Add new Company Ranks » Modify the permissions of existing Company Ranks » Delete existing Company Ranks
	Manage Site Ranks	With this permission set, a user can: » View the "Manage Ranks" page » Add new site ranks » Modify the permissions of existing site ranks » Delete existing site ranks
	Create Sites	With this permission set, a user can: » Create new sites within the company

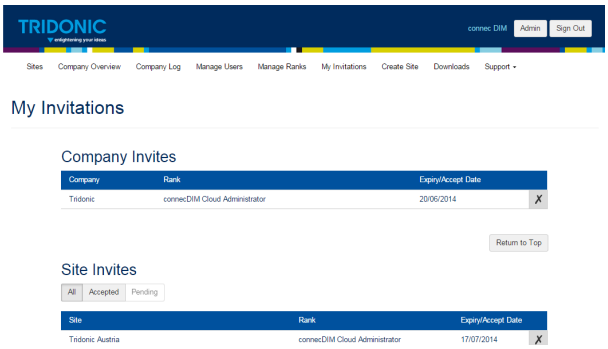
5.5.2. Site Rank Icons

	Manage Sites	With this permission set, a user can: » Modify the name and address of the site » Modify options in the Site Settings » Change the position of the site marker on the site map in the site details » Create, modify, and delete control codes
	Manage Site Log	With this permission set, a User can: » View the site log
	Manage Site Users	With this permission set, a Uuer can: » Allow and deny other users access to the site » Manage favourites in the connecDIMLite apps
	Manage Gateways	With this permission set, a user can: » Modify the name and firmware update status of gateways
	Manage Lines	With this permission set, a user can: » Modify data for the lines, devices, groups and scenes such as the names and benchmark power values
	Manage Emergency	With this permission set, a user can: » View and manage installed EM devices » Schedule emergency tests
	Manage Replacement	With this permission set, a user can: » Flag devices as having the lamp, ballast, or battery replaced
	Manage Schedules	With this permission set, a user can: » Create, modify, and delete schedules
	Manage Holidays	With this permission set, a user can: » Create, modify, and delete holidays
	Manage Logical Areas	With this permission set, a user can: » Create, modify, and delete logical areas
	Manage Email Alerts	With this permission set, a user can: » Create, modify, and delete email alerts

	View Documentation	With this permission set, a user can: » View and download site documentation
	Manage Documentation	With this permission set, a user can: » Upload, rename, and remove site documentation

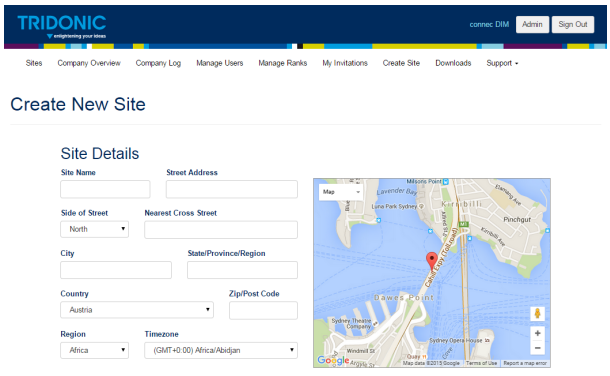
5.6. My invitations

Gives your an overview of your company and site invitations.



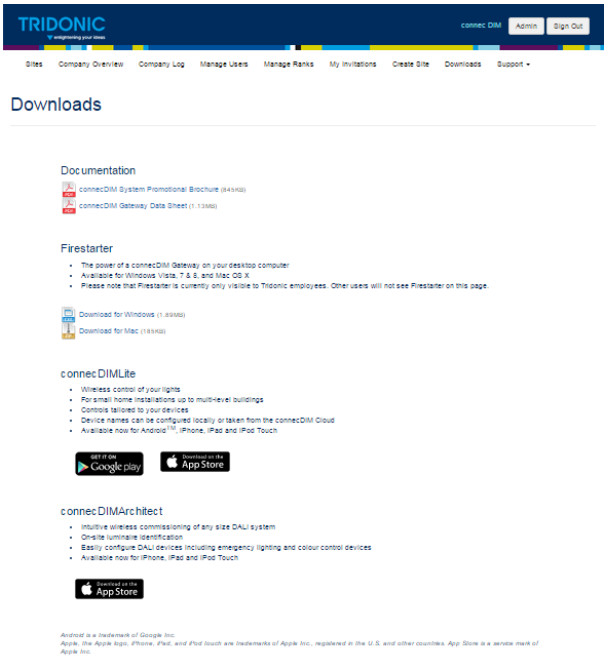
5.7. Create Site

Allows you to create a new site in your company account.



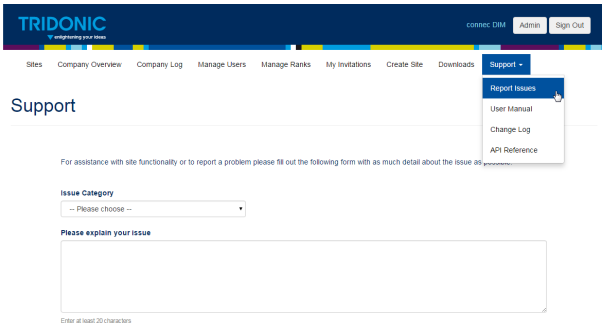
5.8. Download

Download useful information like data sheet directly into the cloud.


TRIDONIC
connec DIM
Admin
Sign Out
Sites
Company Overview
Company Log
Manage Users
Manage Ranks
My Invitations
Create Site
Downloads
Support
Downloads
Documentation
connecDIM System Promotional Brochure
connecDIM Gateway Data Sheet
Firestarter
The power of a connecDIM Gateway on your desktop computer
Available for Windows Vista, 7 & 8, and Mac OS X
Please note that Firestarter is currently only visible to Tridonic employees. Other users will not see Firestarter on this page.
Download for Windows
Download for Mac
connecDIMLite
Wireless control of your lights
For small home installations up to multi-level buildings
Controls tailored to your devices
Device names can be configured locally or taken from the connecDIM Cloud
Available now for Android™ iPhone, iPad and iPod Touch
GET IT ON Google play
Download on the App Store
connecDIMArchitect
Intuitive wireless commissioning of any size DALI system
On-site luminaire identification
Easily configure DALI devices including emergency lighting and colour control devices
Available now for iPhone, iPad and iPod Touch
Download on the App Store

5.9. Support

Here you can report issues, read the user manual, see the change log and get information about the API.



6. Create new Site in the connecDIM Cloud

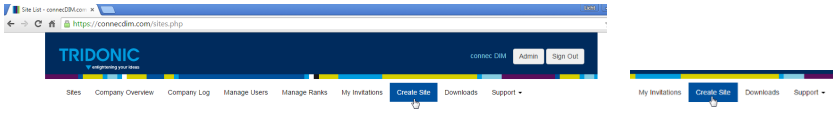
A DALI site is a physical location or job where a connecDIM system is installed. Each job with a different geographical location is a new site. You can create larger jobs by associating multiple gateways to one site.

The following three steps will allow you to create your first DALI site:

1. Enter site details
2. Add gateways to the site
3. View and access your site

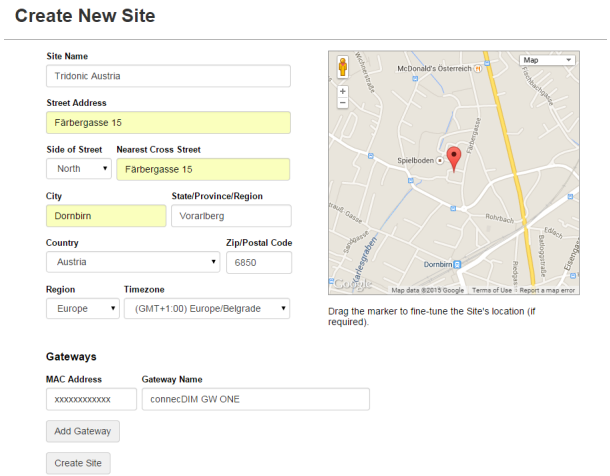
6.1. Enter Site Details

Make sure you are logged in to the connecDIM cloud web site and go to the "Create Site" page.



The information requested will be used locally by the gateway and also on the cloud broken down into the following areas:

1. Site name
2. Site address information
3. Time zone settings



6.1.1. Site Name

The site name is your reference to the site on the cloud. When viewing multiple sites the site name will help you distinguish which site you are viewing at any particular time.

6.1.2. Site Address Information

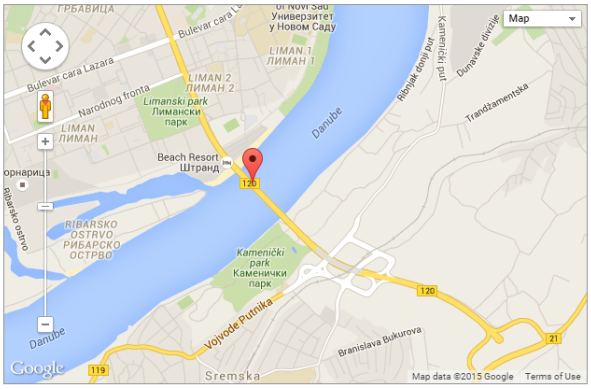
If you are using the connecDIM cloud for emergency lighting the address information will be used on your automatically generated fire safety certificate.

- Enter your site address in the fields shown below.
  The site address is used to calculate sunset and sunrise times of your location.

6.1.3. Fine Tuning Latitude and Longitude

Once the address information is entered into the google map the location shall move showing the resolved geo location of the site.

- If the map doesn't change to the correct location, double check your spelling and make sure the information has been entered correctly.
  For fine tuning the geo location you can drag and drop the map pointer.
  The final position of the map pointer is used to calculate sunrise and sunset schedules for associated sites.



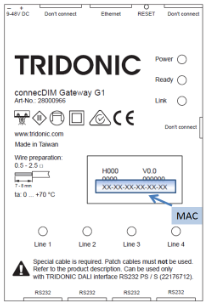
Drag the marker to fine-tune placement of your Site. Click the Save Changes button to remember your settings.

6.1.4. Time Zone Settings

The time zone is used locally by the gateway for running schedules and showing logs and graphs on the connecDIM cloud. Logs and graphs regarding a site are shown in the local time zone of the site.
The gateway will automatically update day light savings based on the time zone.
Daylight savings will be adjusted automatically based on your time zone.

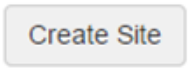
6.2. Add connecDIM Gateways to the Site

- If you have already received your gateway, you can add it to the site by filling in its mac address at the gateways section.
  The gateway's MAC address (which is a 12 digit code) can be found on to the side of the gateway and on the label.

Code on side	Code on Label
	

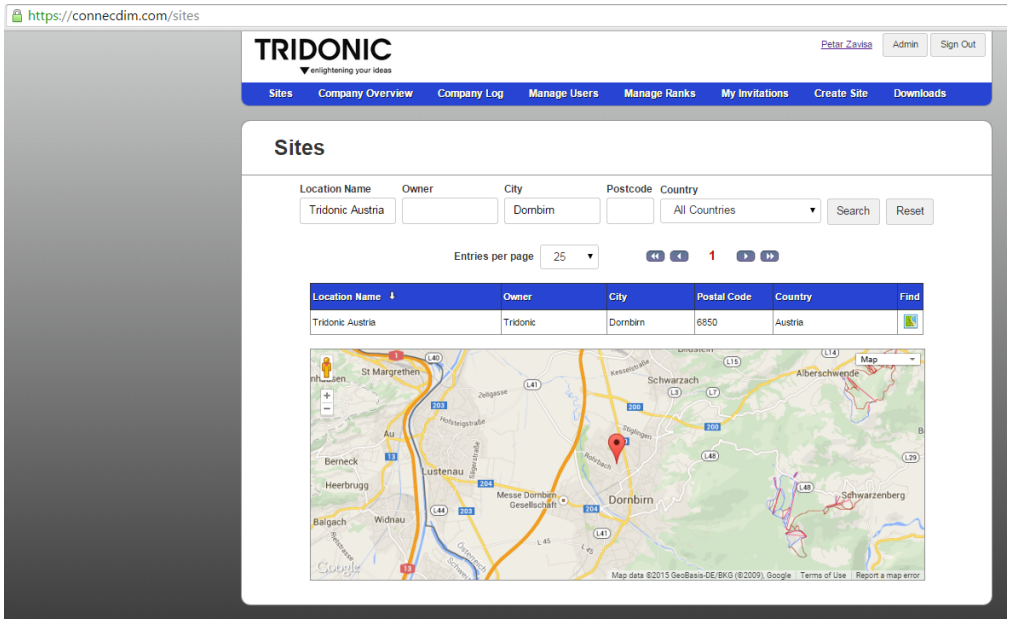
- If you have multiple gateways you can give it a gateway name which will help you distinguish it from other gateways.
  You can add multiple gateways by pressing the "Add Gateway" button.

Finish adding your new site by pressing the "Create Site" button.



6.3. View and Access Your Site

After your site has been created it will appear in your site list when you log in to the connecDIM cloud. The position of your sites in the map view is marked with a red peg as shown below.
Your sites will be listed with the site name you gave them. From here you can view any site by clicking on it.

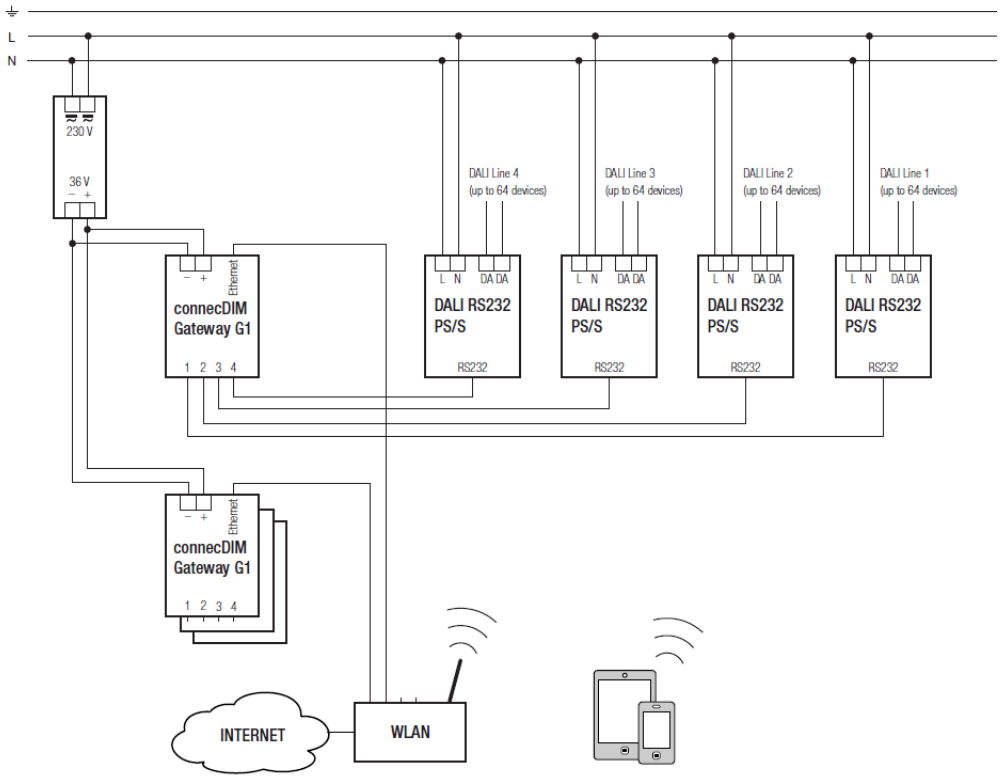


7. connecDIM Gateway Installation

Installation is as simple as connecting the components to the connecDIM gateway.

7.1. To install a connecDIM gateway you need:

1. connecDIM gateway
2. DALI interface RS232 PS/S
3. connecDIM RS232 cable
4. 9-48V DC power supply
5. Ethernet network or router



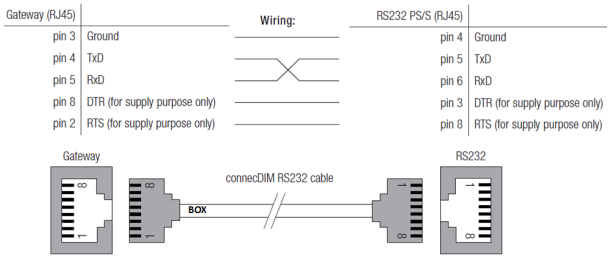
7.2. Connect the DALI interface RS232 PS/S

⚠ CAUTION!

The DALI interface RS232 PS/S should be installed by a certified electrician.

The DALI interface RS232 PS/S is the interface to the DALI line.

- To connect the connecDIM gateway to the DALI-PS/S use the connecDIM RS232 cable.
- Connect the end of the cable marked with BOX into the connecDIM gateway and the other end into the DALI interface RS232 PS/S.

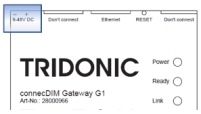


7.3. Connect the Ethernet Network

- Connect an ethernet cable from your LAN network to the port labelled "Ethernet" on the connecDIM gateway.
  You must have a DHCP router to hand out IP addresses, most routers will have this functionality built in
- If the gateway requires a constant IP address for the gateway, use a router with DHCP reservation support.

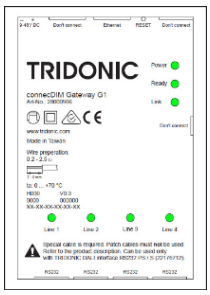
7.4. Connect the DC Power Supply

The DC power supply can be in the range of 9-48 VDC. The power supply is connected through phoenix connectors to the top left of the gateway where it is labelled "9-48V DC".



7.5. Check the Lights and Connections

The connecDIM gateway will beep after power is connected. The Power, Ready and Link lights should turn on and the gateway will make a sequence of beeps indicating the gateway is on.



The LED lights have the following meaning

1. Power – the connecDIM gateway has power
2. Ready – the firmware on the gateway is running
3. Link – the network is working and flashing indicates communication
4. Line 1, 2, 3 & 4 – Communication to the DALI lines

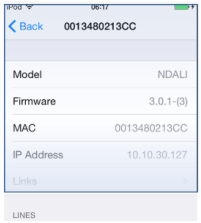
7.6. Ensure the connecDIM Gateway is Visible on the Local Network

- Confirm the setup is complete by connecting to the gateway with the connecDIMLite or connecDIMArchitect app and perform a broadcast test.

NOTICE

Performing a broadcast test you need the connecDIMLite or connecDIMArchitect app which can be downloaded in the Apple or in Google app store.

- Make sure you have a wireless router connecting both the gateway and the Apple/Android device through the ethernet.
- Run one of the connecDIM apps. The gateway will be found automatically and allow you to control the lights.
- The connecDIM apps will show the MAC address of the connecDIM gateway if you can't see the sticker.



7.7. connecDIM network settings

The connecDIM gateway does not require any incoming ports open which increases security . All communication is from the inside out to the cloud.
The gateway does not use a static ip address, it only works via DHCP.
If a site has an outgoing firewall, then the following ports need to be opened for communication to the cloud:

- Outgoing TCP and/or UDP Port 37 (time synchronization)
- Outgoing TCP Port 80 (cloud access)
- Outgoing TCP Port 443 (cloud access encrypted)
- Outgoing TCP Port 1291 (JSON DALI stream log data)

The destination for these ports is the connecDIM cloud which connects to the following addresses:

- 54.77.66.116
- 54.72.207.168
- 54.77.175.77 (for beta testers only)

Incoming Ports
The gateway does not require any incoming ports to be opened on the firewall.

connecDIMLite
The connecDIMLite app requires access to port 80 and 443 to synchronise the names of devices to the DALILite app.

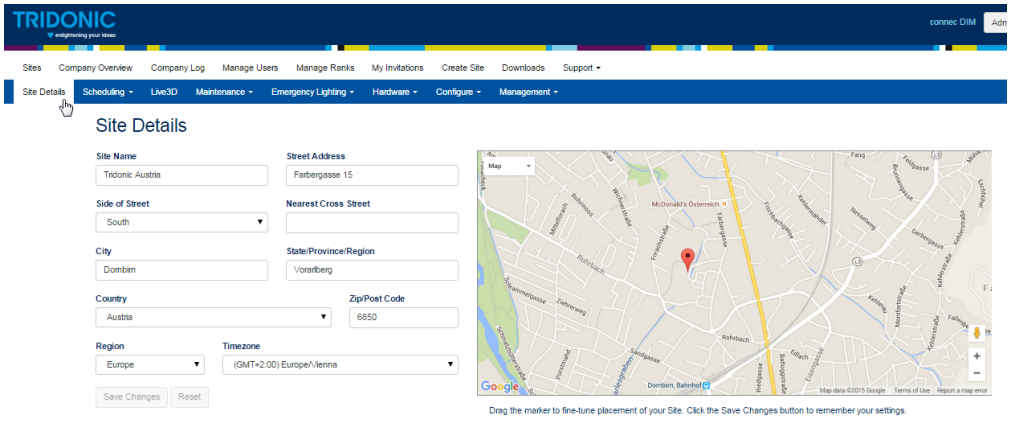
NOTICE

Important: Some Networks do not support broadcast commands. The connecDIM Apps are sending broadcast commands to communicate with the Gateway so this function must be activated.

8. connecDIM Site Settings

8.1. connecDIM Site Details

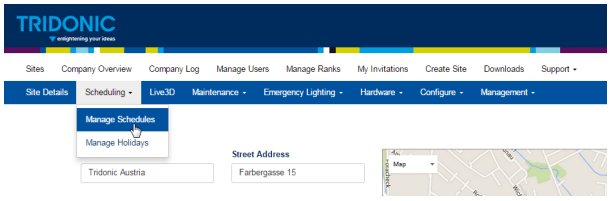
At the site details page information like site name, street address, etc. are displayed and can be changed.

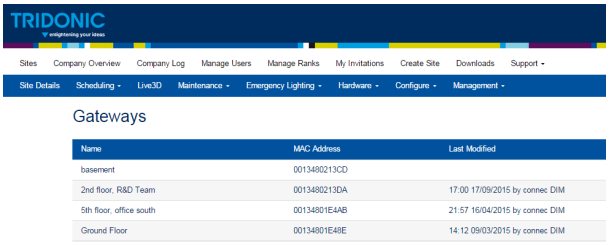


8.2. connecDIM Scheduling

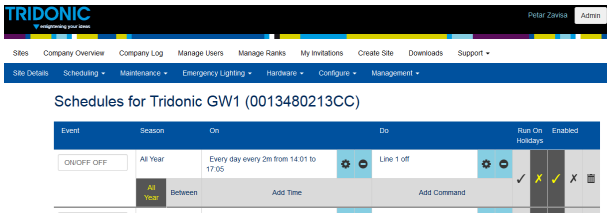
8.2.1. Manage Schedules

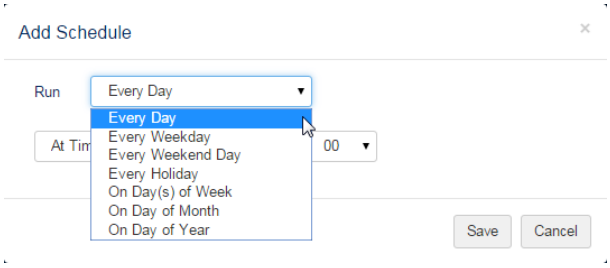
Go to Scheduling > Manage Schedules to get an overview of all the gateways registered to your site.

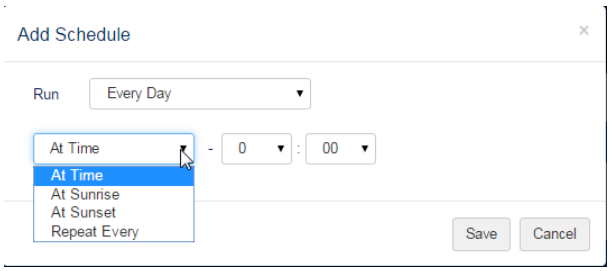


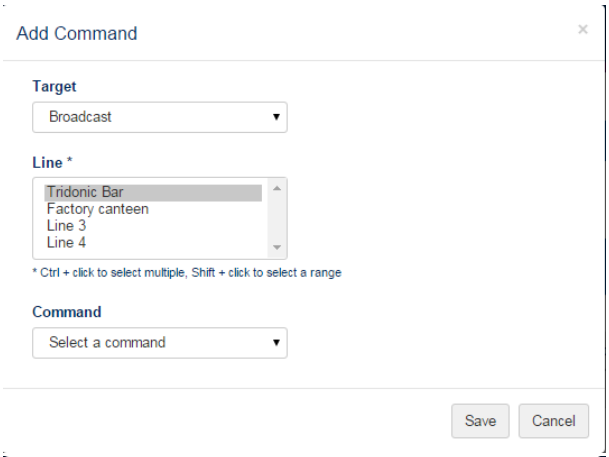


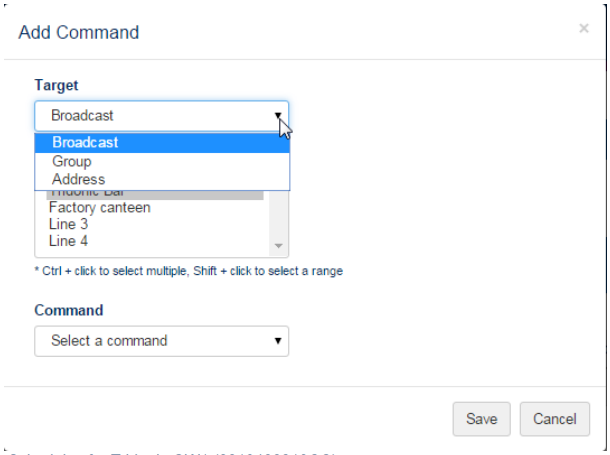
Select the gateway where you would like to create a schedule. Select add schedule and give the schedule a name. Select a time and add a command. The Time can also be selected to be seasonal e.g. from Jan - Dec.

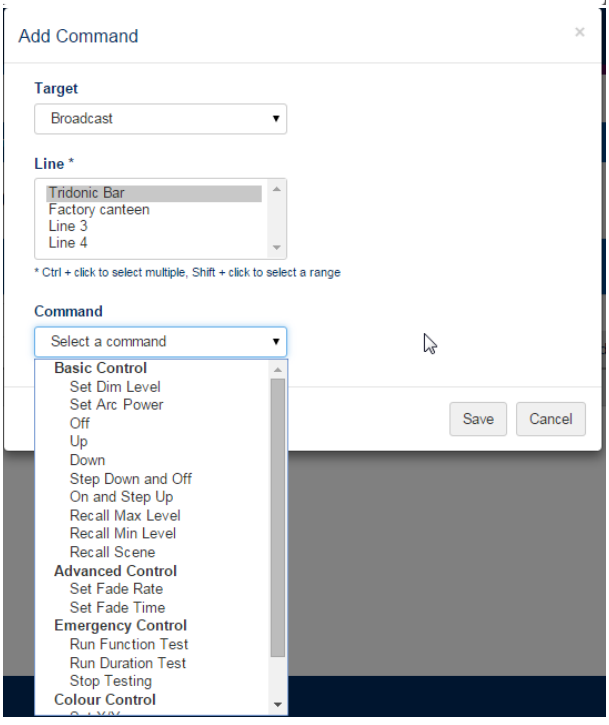




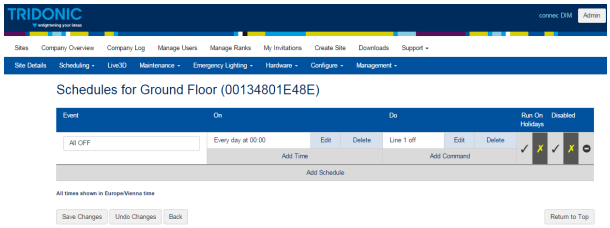




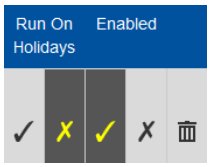




Once you have made all the settings, select save changes.

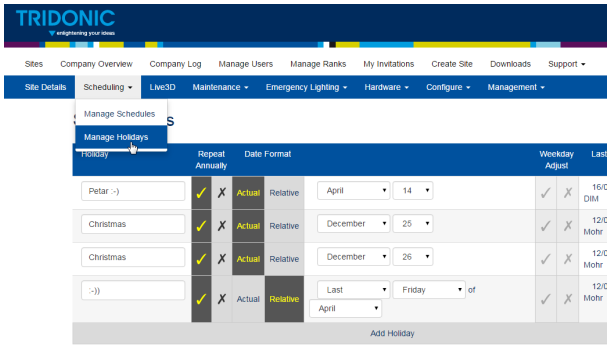


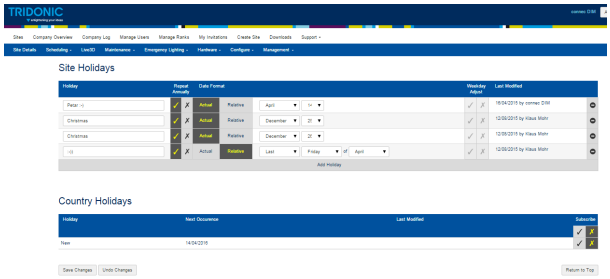
Schedules can also be disabled or deleted. And you can select if they should run on holidays or not.

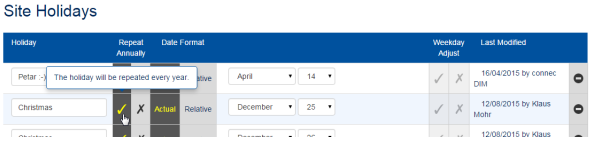


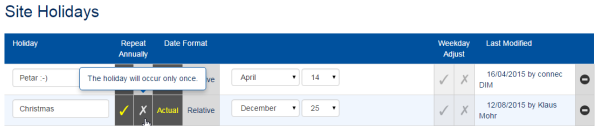
8.2.2. Manage Holidays

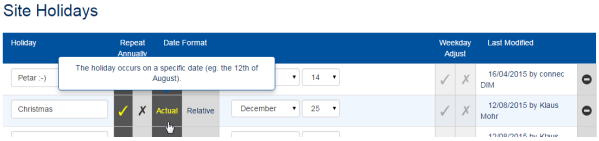
Select Scheduling > Manage Holidays. You can program site holidays for each site and also select country holidays.

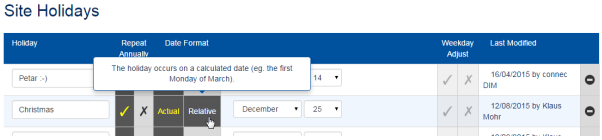


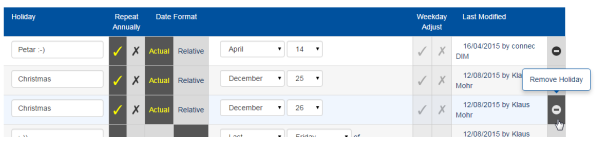












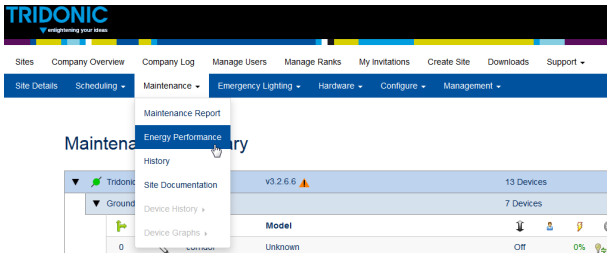
8.3. connecDIM Live3D

With the 3D visualisation tool, the icon of the luminaire will turn red to indicate errors. Additionally, moving the cursor over a luminaire, information regarding its address, group and advanced information such as, maximum, minimum, power on, system failure levels, operating time, active days, strikes per day, total strikes, group information, scene information,dim levels, short addresses, location and device type as well as emergency test information.

The drawings have to be in WebGL format and it is necessary that Tridonic implements your Lightpoint to the graphic. For support please contact your local Tridonic sales office.

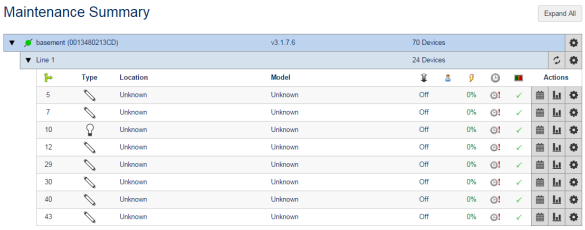
8.4. Maintenance

The maintenance window displays maintenance report, history, site documentation, device history and device graphs.



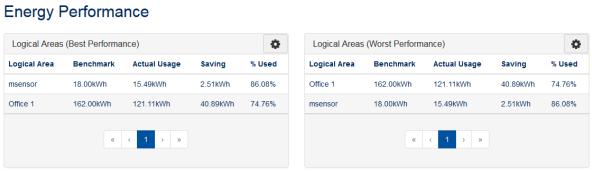
8.4.1. Maintenance Report

Select Maintenance > Maintenance Report and you will see the maintenance summary. In the maintenance summary only devices with a predictive maintanence warning are visible. More information about predictive warnings can be found at Predictive Maintenance Warnings, 73.



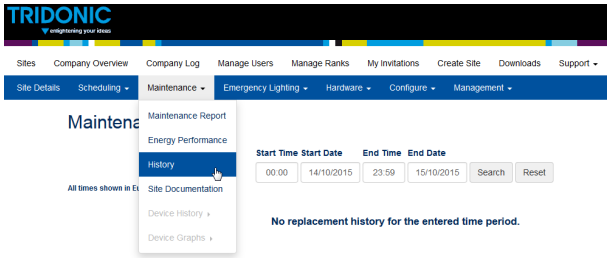
8.4.2. Energy Performance

Select Energy Performance to get an overview of best and worst performance logical areas.


Energy Performance
Logical Areas (Best Performance)
Logical Area Benchmark Actual Usage Saving % Used
msensor 18.00kWh 15.49kWh 2.51kWh 86.08%
Office 1 162.00kWh 121.11kWh 40.89kWh 74.76%
Logical Areas (Worst Performance)
Logical Area Benchmark Actual Usage Saving % Used
Office 1 162.00kWh 121.11kWh 40.89kWh 74.76%
msensor 18.00kWh 15.49kWh 2.51kWh 86.08%

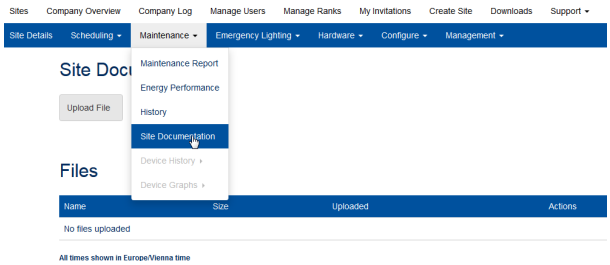
8.4.3. Maintenance History

Select Maintenance > History to see the maintenance history window. Maintenance history displays if lamp/ballast/driver replacements have been made.



8.4.4. Site Documentation

Select Maintenance > Site Documentation. This is the place where you can save your installation plans and other important documents related to your site.



8.5. Emergency Lighting

8.5.1. Assumptions

This document assumes that the reader has a working knowledge of DALI. The user should have an understanding of how to install and address a DALI line and a connecDIM gateway.

8.5.2. Prerequisites

The user should have a DALI emergency light wired and connected to a connecDIM gateway with internet access. The user should also have set up a connecDIM cloud site with the gateway attached.

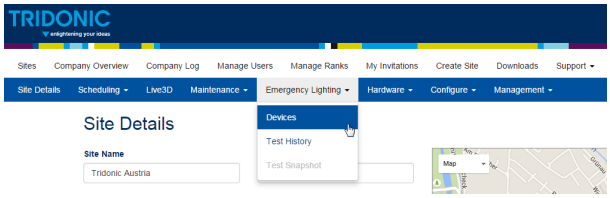
8.5.3. Emergency Lighting

The connecDIM cloud enables a user to monitor and schedule emergency lights through the cloud.

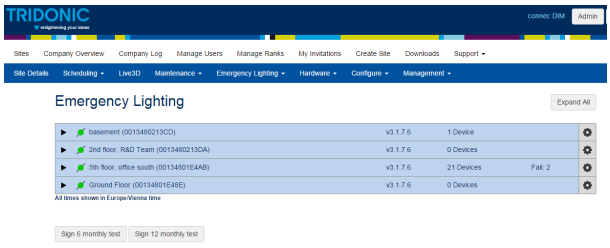
Emergency lights automatically appear in the "Devices" and "Emergency Lighting" windows on the cloud.

The Devices window (Hardware/Devices) will show all devices with general luminaire information. Emergency devices are shown with a running man icon.

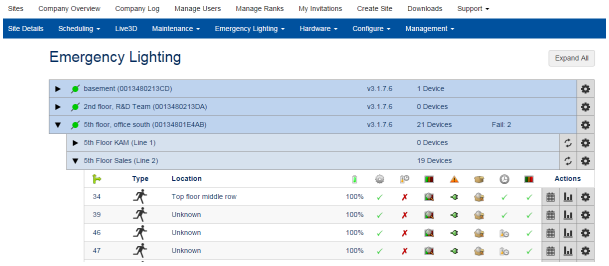
The Emergency Lighting window shows all DALI emergency devices and additionally shows DALI device type 1 emergency data fields.



All DALI emergency devices must be DALI addressed. They will appear automatically in the Emergency Lighting window and give an overview of all installed emergency devices for the site.

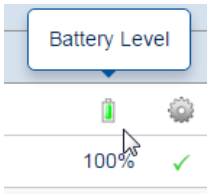


Location and model can be entered manually by the user with the Manage device icon.

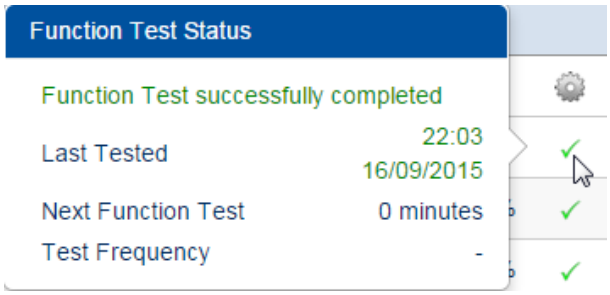


Other shown fields indicate battery level, function test results, duration test results, emergency status, device mode and features. These settings are read and displayed directly from the DALI settings in the fitting.

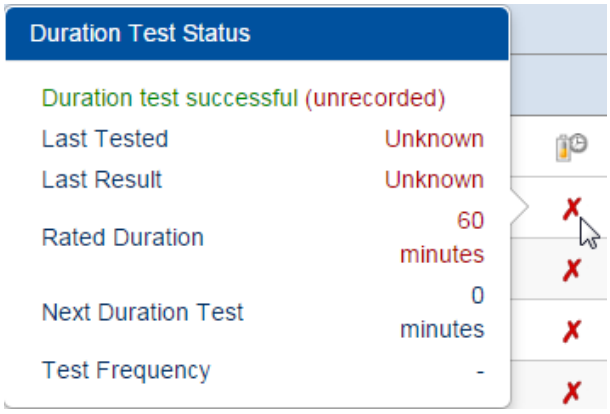
Battery Level



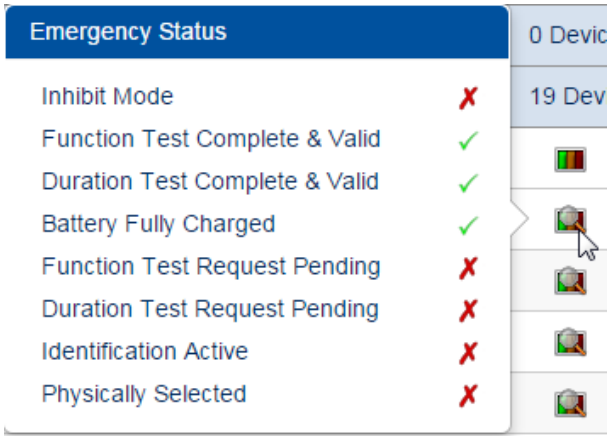
Function Test Status



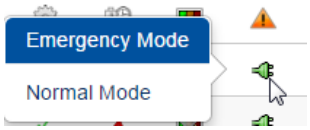
Duration Test Status



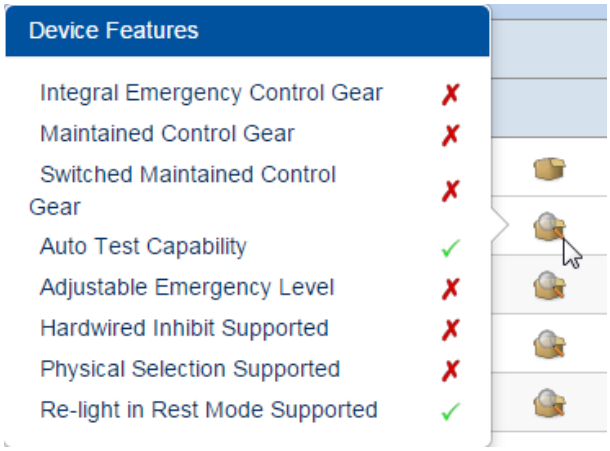
Emergency Status



Emergency Mode

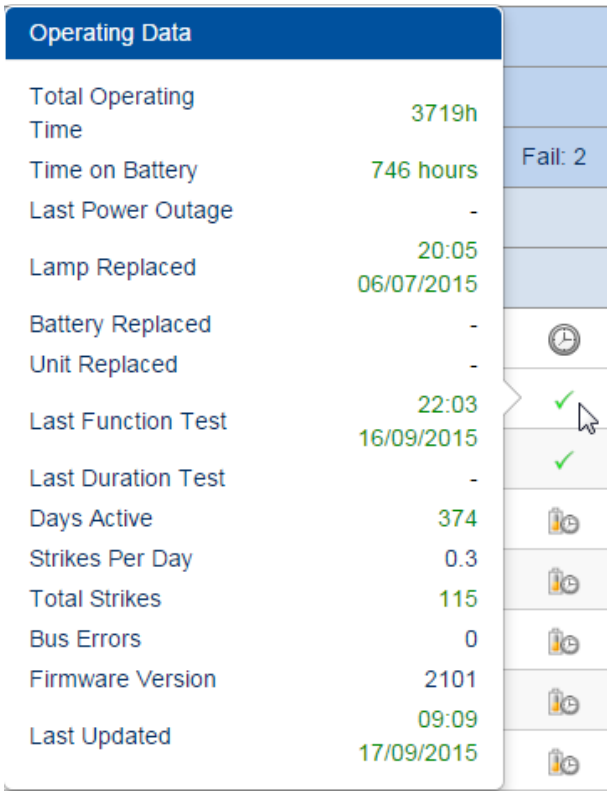


Device Features



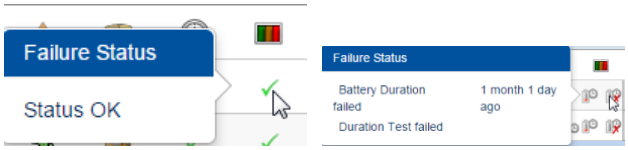
Operating Data

Operation data shows historical information for the device



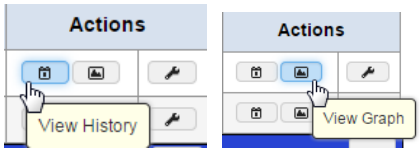
Failure Status

Failure status field displays if the device is ok or not



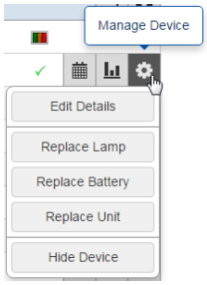
8.5.4. Actions

The View History and View Graph buttons show historical information and graph information recorded about the device. These informations are log any time there is a change in battery level or device status. If there is no change, the device will log every four hours to confirm the device is still reporting. For more informations about the View History and View Graph windows see Actions, 48.

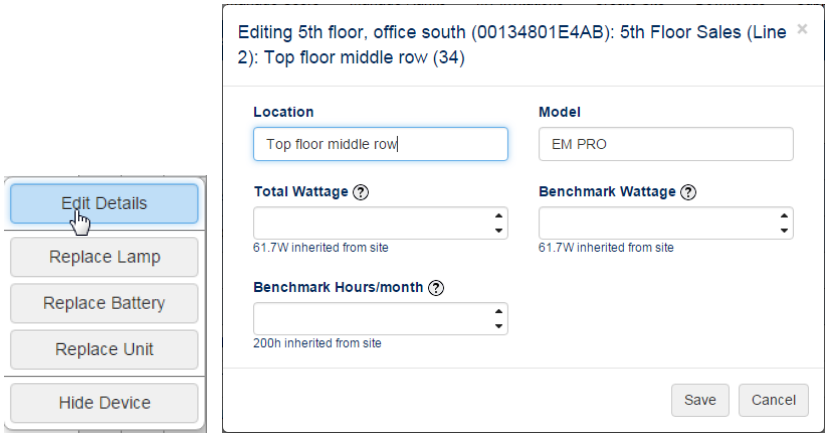


8.5.5. Manage Device

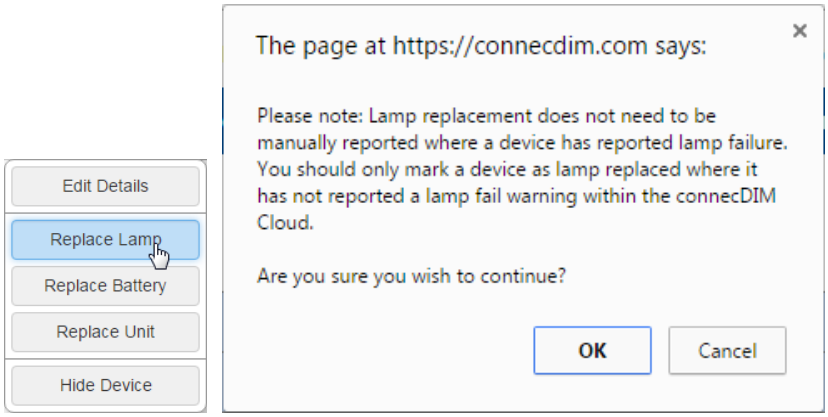
Using the Manage Device button, you can record every maintenance event. Maintenance events are the replacement of the unit, a lamp or a battery. The replacement information will automatically update in the operational data and device logs.



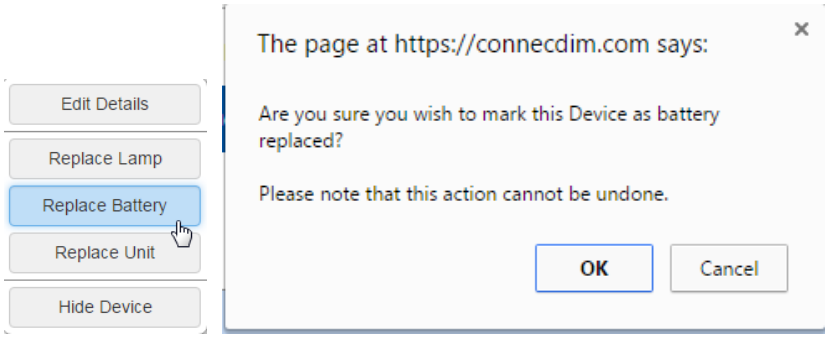
Edit Details



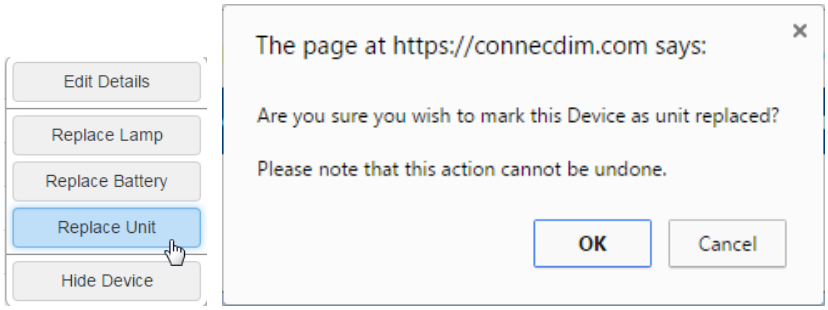
Replace Lamp


Edit Details
Replace Lamp
Replace Battery
Replace Unit
Hide Device
The page at https://connecdim.com says:
Please note: Lamp replacement does not need to be manually reported where a device has reported lamp failure. You should only mark a device as lamp replaced where it has not reported a lamp fail warning within the connecDIM Cloud.
Are you sure you wish to continue?
OK
Cancel

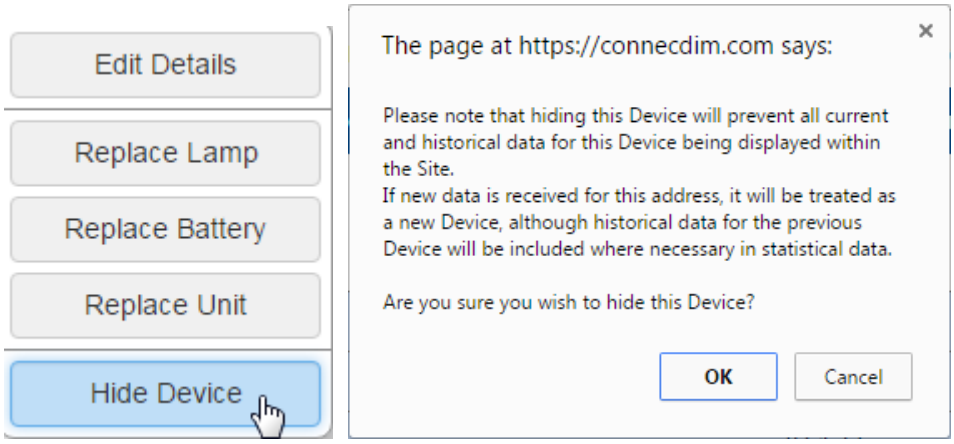
Replace Battery



Replace Unit



Hide Device

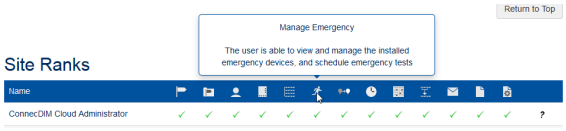

Edit Details
Replace Lamp
Replace Battery
Replace Unit
Hide Device
The page at https://connecdim.com says:
Please note that hiding this Device will prevent all current and historical data for this Device being displayed within the Site.
If new data is received for this address, it will be treated as a new Device, although historical data for the previous Device will be included where necessary in statistical data.
Are you sure you wish to hide this Device?
OK
Cancel

8.5.6. Predictive maintenance warnings

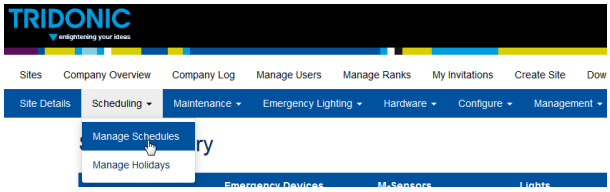
Go to Management > Site Settings to set up predictive maintenance warnings. More informations can be found at Operating Data and Predictive Maintenance Icons, 47 and Predictive Maintenance Warnings, 73.

8.5.7. Scheduling an Emergency Test

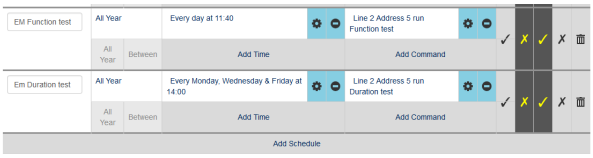
To be able to schedule emergency tests you need to have the site rank Manage Emergency active. This can be set up in the site rank's settings.


Return to Top
Manage Emergency
The user is able to view and manage the installed emergency devices, and schedule emergency tests
Site Ranks
Name
ConnecDIM Cloud Administrator

Once you have this right select Scheduling > Manage Schedules



Now you can create a scheduler for a function or duration test.

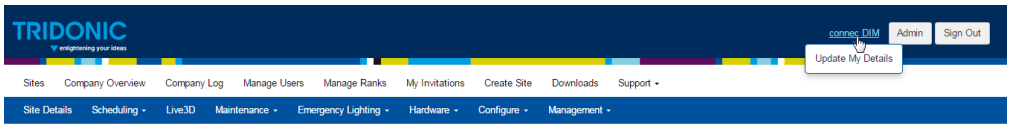


NOTICE

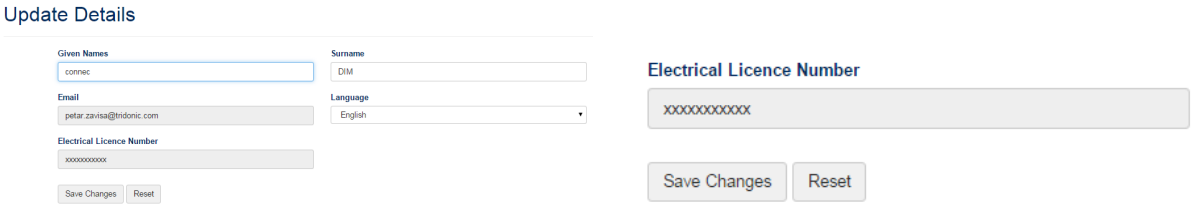
Important: The commands for scheduling an emergency test will only appear if you have the right to manage emergency and if emergency devices are connected to the line you are creating the scheduler for.

8.5.8. Sign Emergency test

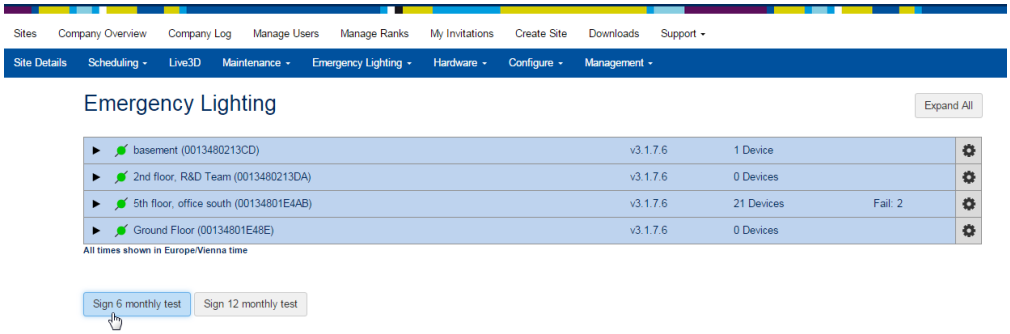
To create an official emergency test report, your account must have electrician status. To apply for electrician status, click on your name after signing into the cloud to access your user profile.



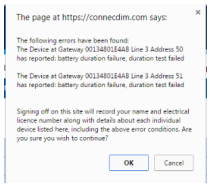
In your profile settings there is the option to "Apply for Electrician Status". To complete this form, you will need your electrician license number and a scanned image of your license.



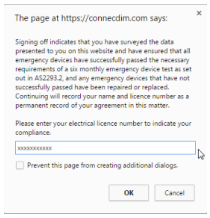
Once you apply for electrician status, one of the company admins must approve your request. Once your request receives approval, you will see the option to sign a six monthly or yearly test on the Emergency Lighting page.



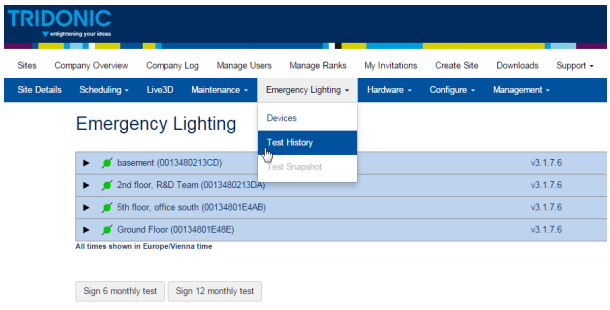
Once you have selected sign 6/12 monthly test, you will be asked if you are sure.


The page at https://connecdim.com says:
The following errors have been found:
The Device at Gateway 00134801E4A8 Line 3 Address 50 has reported: battery duration failure, duration test failed
The Device at Gateway 00134801E4A8 Line 3 Address 51 has reported: battery duration failure, duration test failed
Signing off on this site will record your name and electrical licence number along with details about each individual device listed here, including the above error conditions. Are you sure you wish to continue?
OK
Cancel

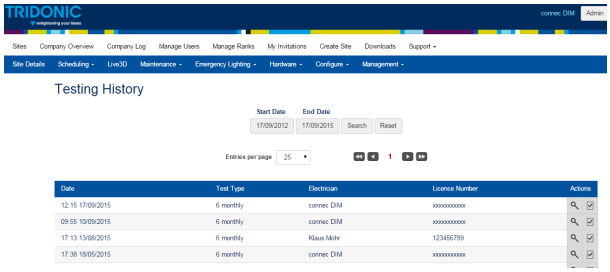
Once you have selected OK, you will have to fill in your electrical licence number in.


The page at https://connecdim.com says:
Signing off indicates that you have surveyed the data presented to you on this website and have ensured that all emergency devices have successfully passed the necessary requirements of a six monthly emergency device test as set out in AS2293.2, and any emergency devices that have not successfully passed have been repaired or replaced. Continuing will record your name and licence number as a permanent record of your agreement in this matter.
Please enter your electrical licence number to indicate your compliance.
xxxxxxxxxx
Prevent this page from creating additional dialogs.
OK
Cancel

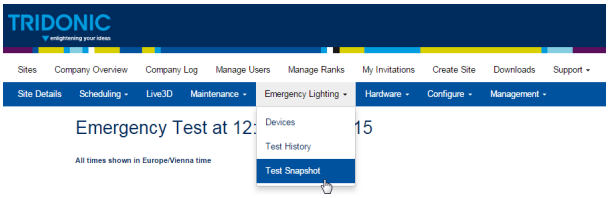
To see the test result select Emergency Lighting > Test History



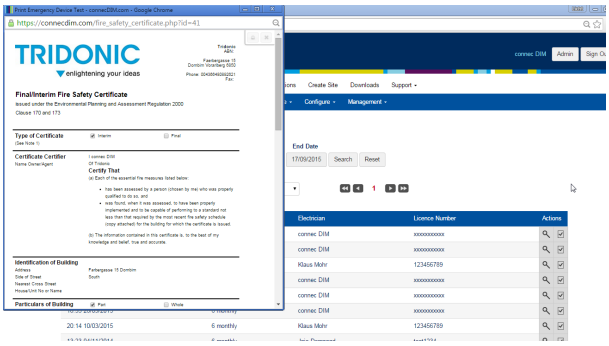
Testing History shows all the tests made in the past.



Select view device status at time of testing to see the test snapshot you will be forwarded to Emergency Lighting > Test Snapshot.



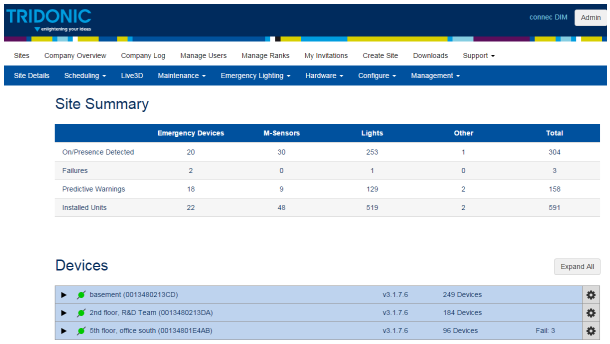
For a test report, select print fire safety certificate.



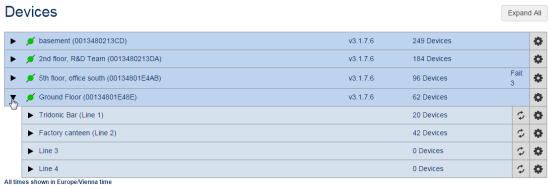
8.6. Hardware

8.6.1. Devices

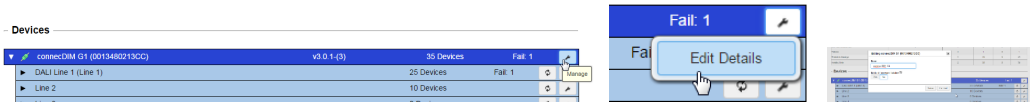
Select Hardware > Devices. You will see the Site Summary and the devices connected to your site.



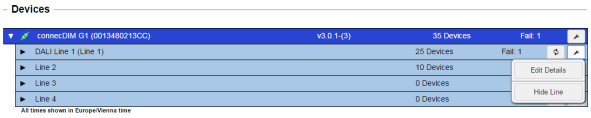
To expand the gateway and see the devices connected, select the triangle.


Devices
Expand All
basement (00134802I3CD) v3.1.7.6 249 Devices
2nd floor, R&D Team (00134802I3DA) v3.1.7.6 184 Devices
5th floor, office south (00134801E4AB) v3.1.7.6 96 Devices Fail: 3
Ground Floor (00134801E48E) v3.1.7.6 62 Devices
Tridonic Bar (Line 1) 20 Devices
Factory canteen (Line 2) 42 Devices
Line 3 0 Devices
Line 4 0 Devices
All times shown in Europe/Vienna time

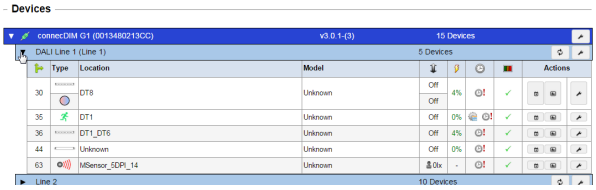
Select the wrench symbol on the right to manage the gateway.



Select the wrench symbol on the right to manage the line or to hide the line.


Devices
connecDIM G1 (00134802I3CC) v3.0.1-(3) 35 Devices Fail: 1
DALI Line 1 (Line 1) 25 Devices Fail: 1
Line 2 10 Devices
Line 3 0 Devices
Line 4 0 Devices
Edit Details
Hide Line
All times shown in Europe/Vienna time

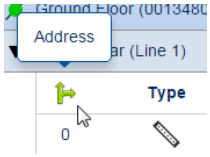
Select the triangle on the left side to expand the line. You will see all the devices connected to the line.



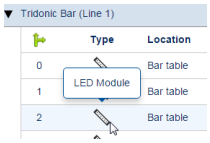
In the Devices menu the following information is displayed:
Address, Type (Device Type), Location, Model, Dim Level, Presence and Lux, Energy Usage (), Operating Data, Failure Status.

By moving your mouse over the icons/fields you will get additional information.

Address shows the DALI short address from the device.



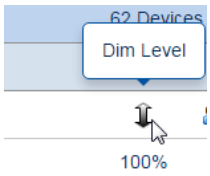
DALI has multiple device types. Type shows the DALI Device type.



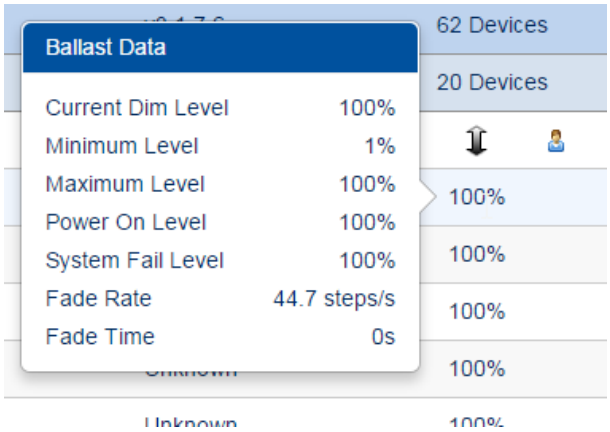
8.6.2. DALI Device Type Icons

Icon	DALI Device Type
	1-10V Interface Converter
	Colour Control
	Dimmable Incandescent
	Downlight
	Emergency Device
	Fluorescent Ballast
	HID Lamp
	LED
	M-Sensor
	Sequencer
	Switching Function

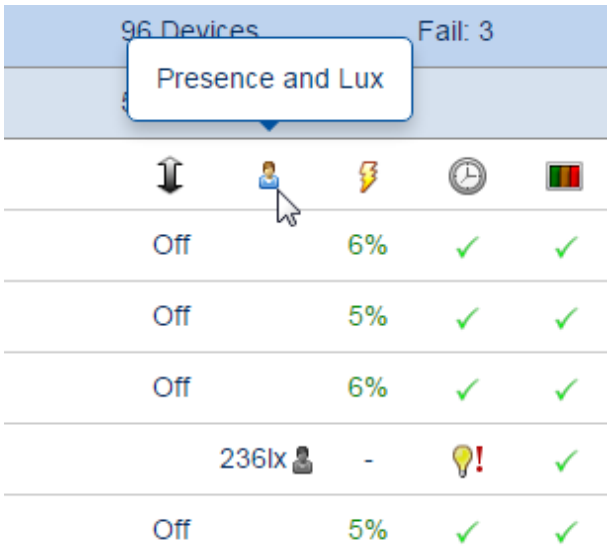
Dim Level shows the actual dim level (intensity of light in percent)

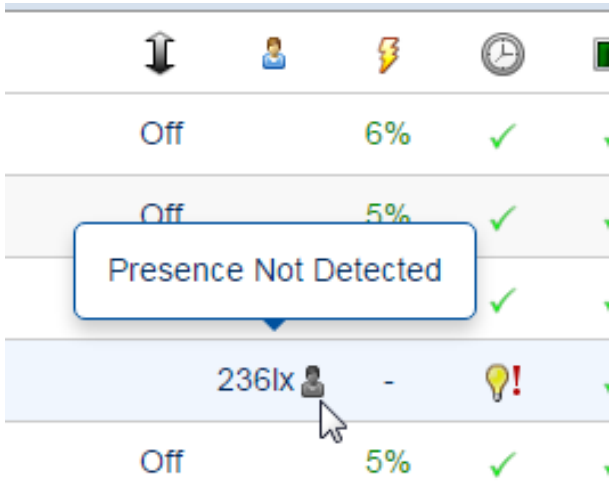


If you move your cursor over the Dim Level field also Ballast Data will be displayed.

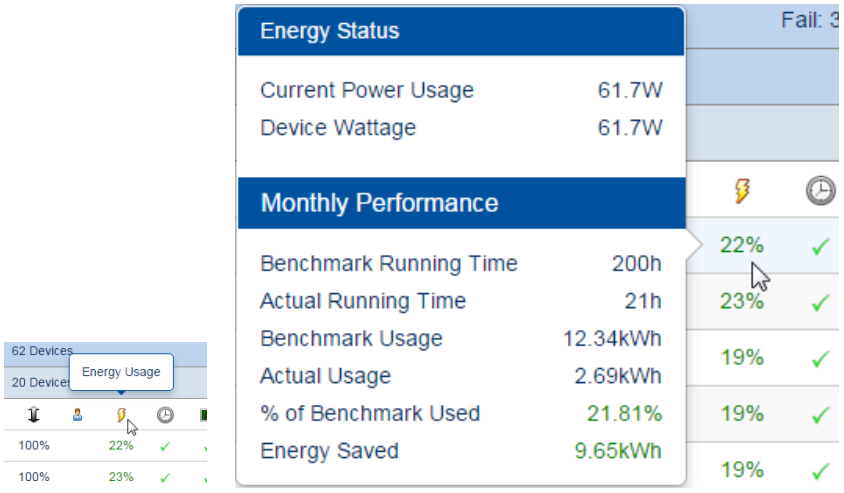


Presence and Lux are displayed if an MSensor is installed.

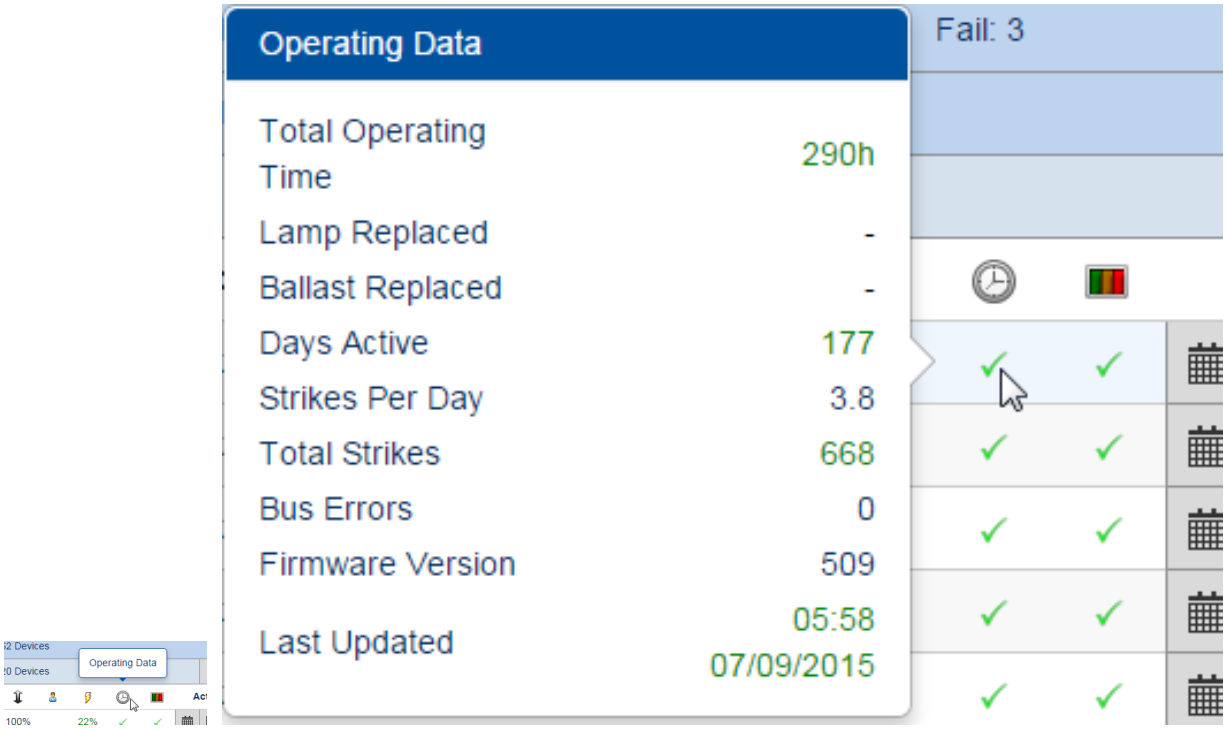




Energy Usage Displays the energy usage compared to the Benchmark Device Wattage which can be set in Management > Site Settings - Energy Usage Default Settings.



Operating Data displays the operating data and the maintenance icons.

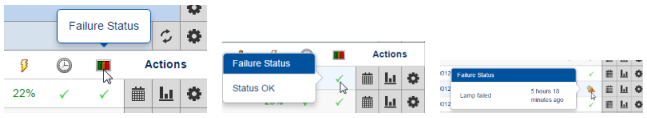


8.6.3. Operating Data and Predictive Maintenance Icons

Icon	Warning	Description
	Power Failure Warning	The device has been without mains power within the time frame specified in the Predictive Maintenance Settings.
	Strike Count Limit Exceeded	This device has exceeded the strike count limit specified in the Predictive Maintenance Settings.
	Lamp Replacement Overdue	The device's lamp has not been replaced within the time frame specified in the Predictive Maintenance Settings.
	Battery Replacement Overdue	The device's battery has not been replaced within the time frame specified in the Predictive Maintenance Settings. This warning is specific to Emergency Devices.
	Ballast Replacement Overdue	The device's ballast has not been replaced within the time frame specified in the Predictive Maintenance Settings.
	Device Replacement Overdue	The device has not been replaced within the time frame specified in the Predictive Maintenance Settings. This warning is specific to Emergency Devices.
	Operating Limit Exceeded	This device has been functioning for longer than specified in the Predictive Maintenance Settings. This warning is specific to Emergency Devices.
	Battery Limit Exceeded	This device has been functioning on battery power for longer than specified in the Predictive Maintenance Settings. This warning is specific to Emergency Devices.
	Active Days Limit Exceeded	This device has been reported on more days than the time frame specified in the Predictive Maintenance Settings.
	Function Test Overdue	This device has not performed a function test within the period specified in the Predictive Maintenance Settings. This warning is specific to Emergency Devices.
	Duration Test Overdue	This device has not performed a duration test within the period specified in the Predictive Maintenance Settings. This warning is specific to Emergency Devices.

	Communication Lost	The device has not reported within the time frame specified in the Predictive Maintenance Settings.
✓	Status OK	Indicates that the Device is not reporting any warnings at this time.

Failure Status shows if there is an Failure of if the device status is OK

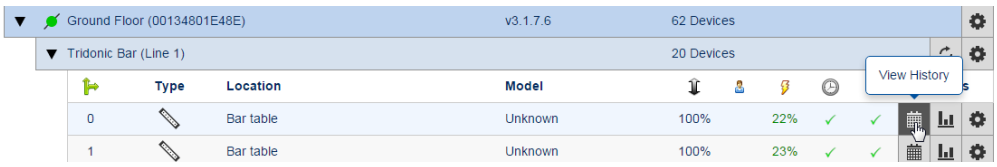


Icon	Warning	Description
	Lamp Fail	Indicates that the lamp has blown or is otherwise faulty.
	Circuit Fail	Indicates a hardware failure within the device. This warning is specific to Emergency Devices.
	Battery Duration Fail	Indicates that the device's battery failed to maintain its output while performing a duration test. This warning is specific to Emergency Devices.
	Battery Fail	Indicates that there is an open circuit or low voltage from the battery. This warning is specific to Emergency Devices.
	Function Test Fail	The device has failed a function test. This warning is specific to Emergency Devices.
	Duration Test Fail	The device has failed a duration test. This warning is specific to Emergency Devices.
✓	Status OK	The device is not reporting any failures at this time.

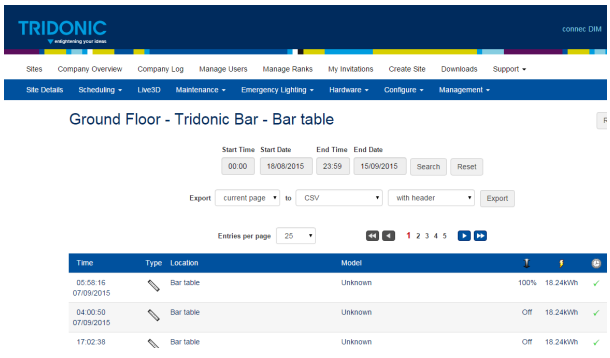
8.6.4. Actions

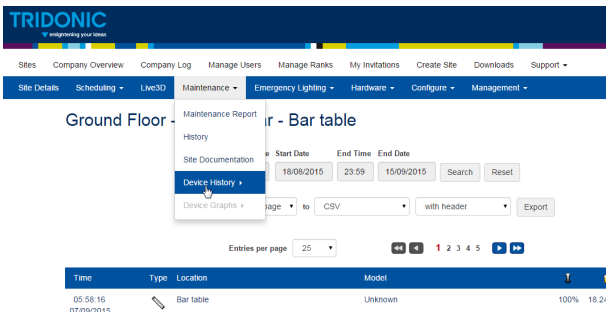
View History

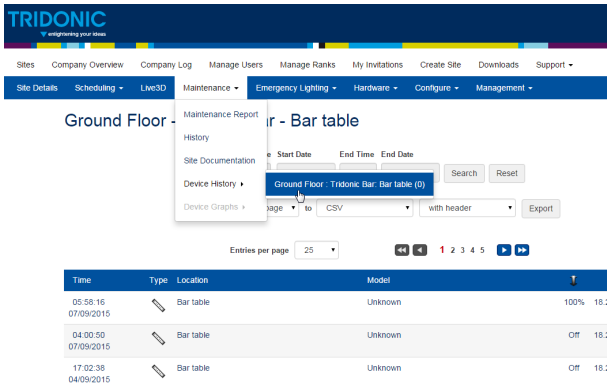
By selecting View History in the Actions field you are able to see the history of the device.



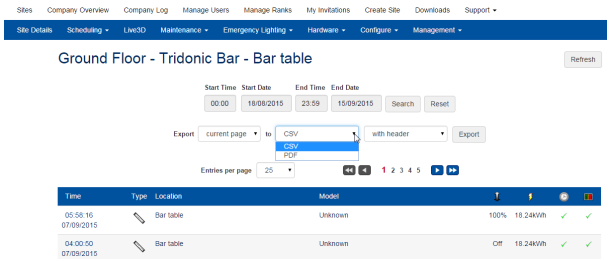
Once you have selected the View History field [View History] you will be forwarded to Maintenance > Device History.



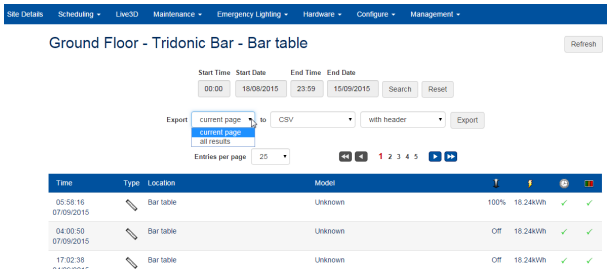




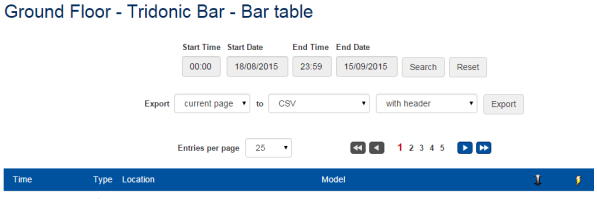
The Device History window allows you to download the history to a CSV or PDF file.



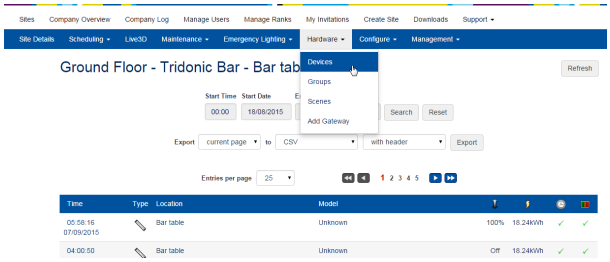
Also, it is possible to select if only the current page should be exported or all results.



The time frame for the history files can also be selected by Start Time, Start Date - End Time and End Date

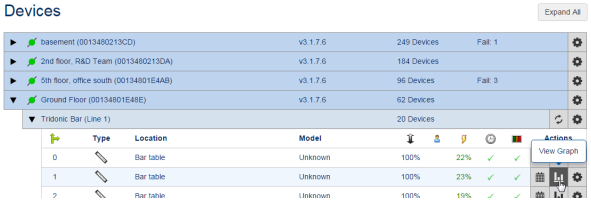


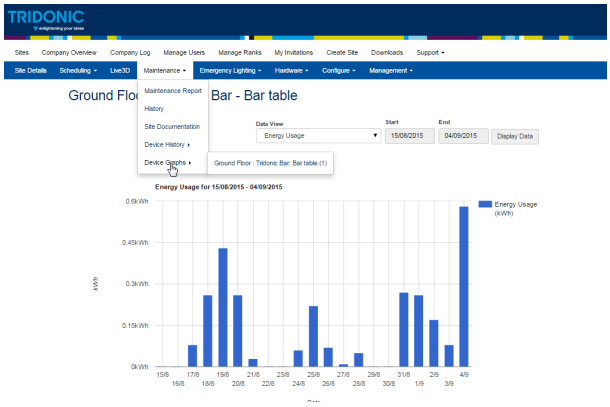
To get back to the Device overview you have to select Hardware > Devices



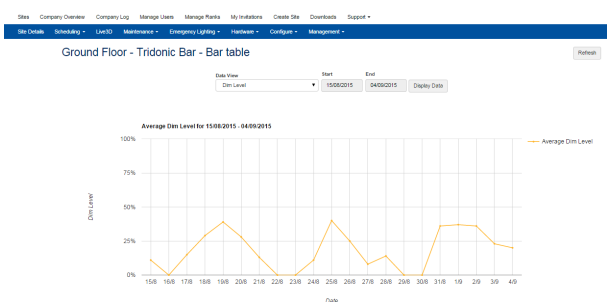
View Graph

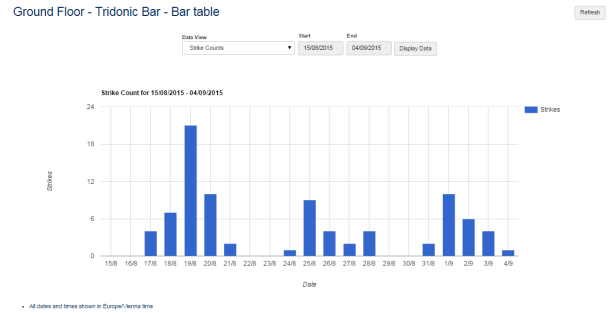
By selecting View Graph in the actions field you will be forwarded to Maintenance > Device Graphs.





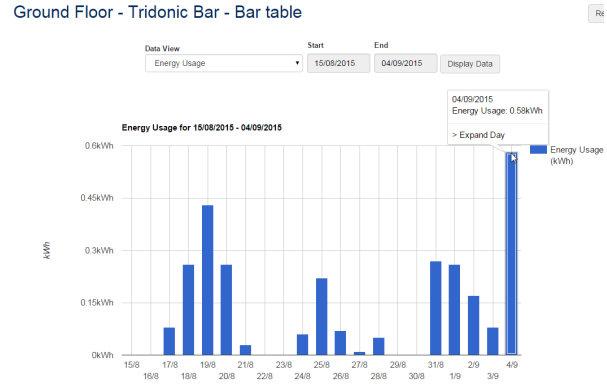
Data like Energy Usage, Dim Level, Strike counts and Dim Level for the whole group (if the device is assigned to a DALI group)



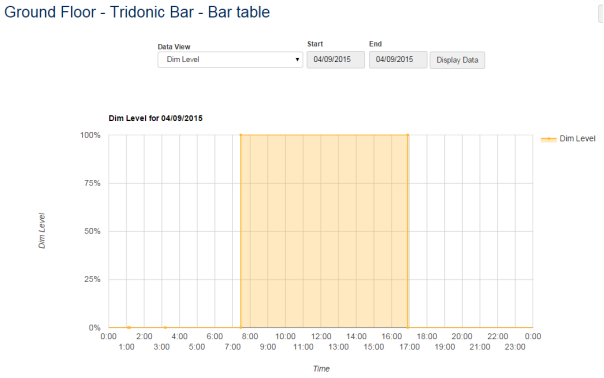


It is possible to select the time frame which should be shown in the overview, if you have selected several days you

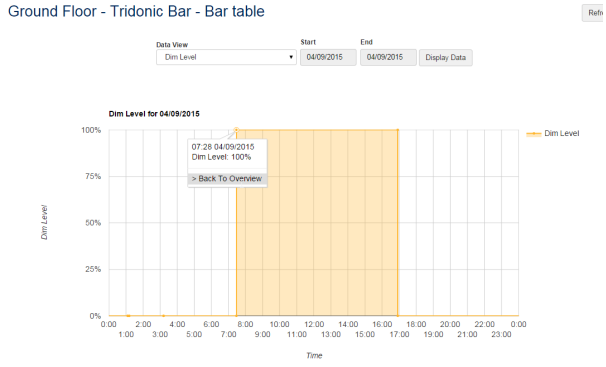
can easily expand the day by selecting expand day.

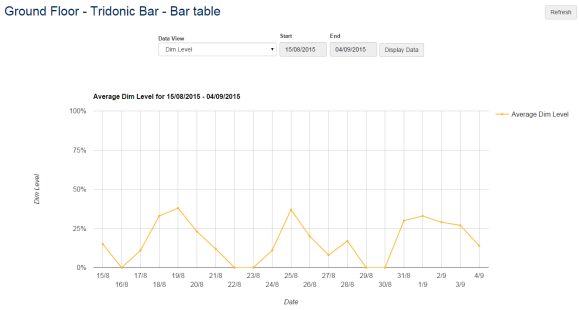


Once you have expanded the day you can easily compare e.g. Energy Usage vs Dimlevel. If you would like to switch from Dim Level back to Energy Usage you only need to change the field Data View and then select Display Data

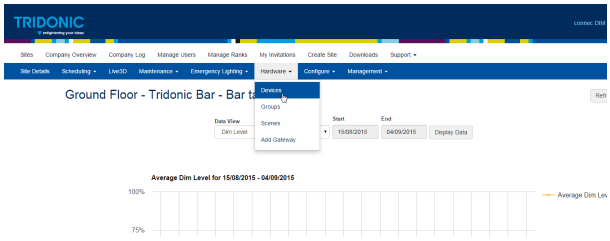


To get back to the overview, just select one of the points in the graph and then select Back To Overview.



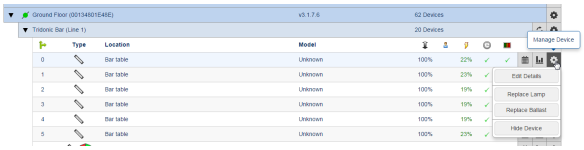


To get back to the Device overview select Hardware/Devices

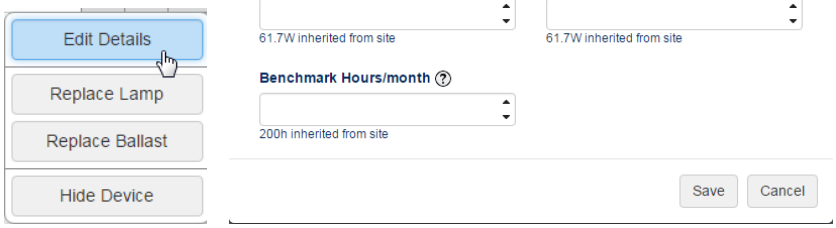


Manage Device

Select Manage Device to Edit Details, Replace Lamp, Replace Ballast or Hide Device.

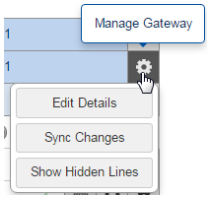


8.6.4.0.1. Edit Details

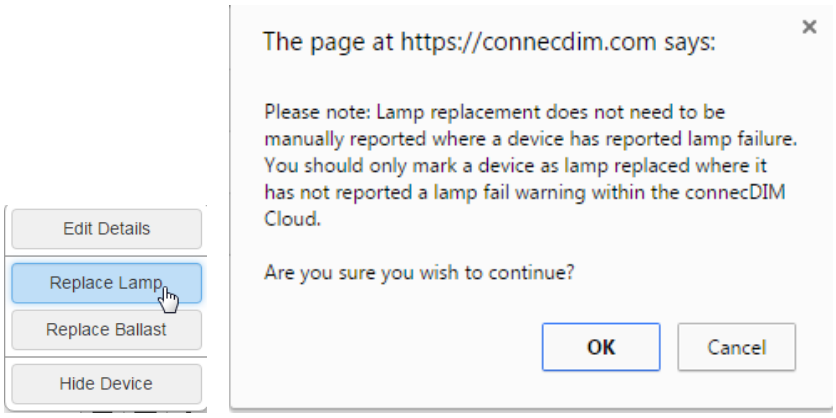


Synch Changes

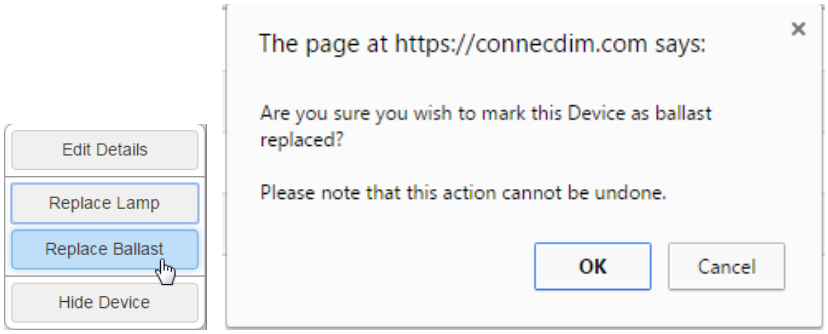
Information filled in in the location field will be displayed in the connecDIMLite App. Once those information is changed, it is necessary to select synch Changes in the manage gateway window. By synching the changes this information will be stored to the connecDIM gateway hard drive, so those information will be available even the gateway isn't connected to the cloud.



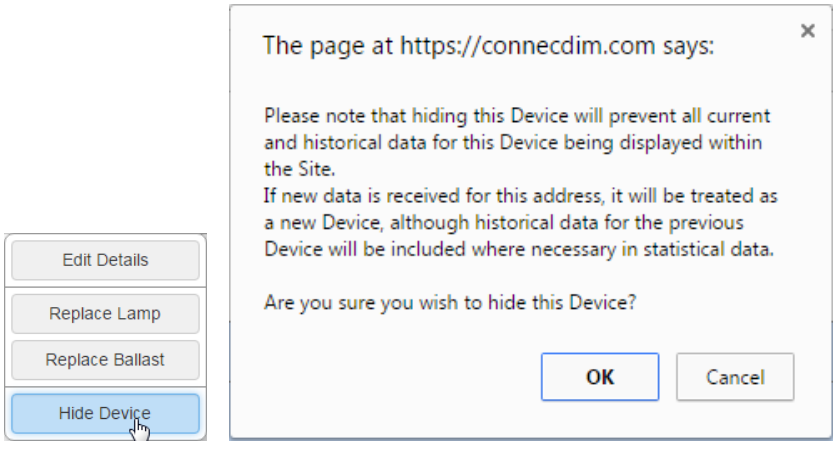
8.6.4.0.2. Replace Lamp


Edit Details
Replace Lamp
Replace Ballast
Hide Device
The page at https://connecdim.com says:
Please note: Lamp replacement does not need to be manually reported where a device has reported lamp failure. You should only mark a device as lamp replaced where it has not reported a lamp fail warning within the connecDIM Cloud.
Are you sure you wish to continue?
OK
Cancel

8.6.4.0.3. Replace Ballast

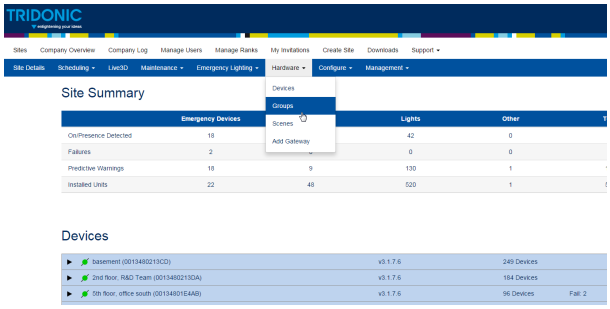


8.6.4.0.4. Hide Device

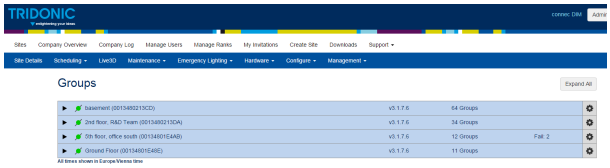

Edit Details
Replace Lamp
Replace Ballast
Hide Device
The page at https://connecdim.com says:
Please note that hiding this Device will prevent all current and historical data for this Device being displayed within the Site.
If new data is received for this address, it will be treated as a new Device, although historical data for the previous Device will be included where necessary in statistical data.
Are you sure you wish to hide this Device?
OK
Cancel

8.6.5. Groups

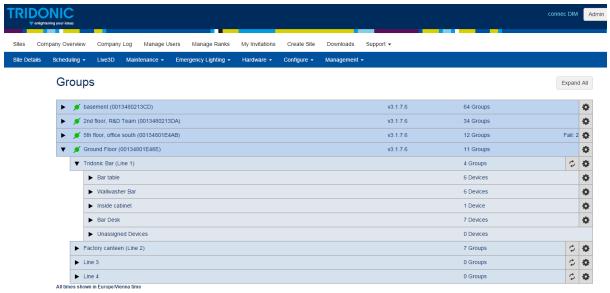
Select Hardware > Groups

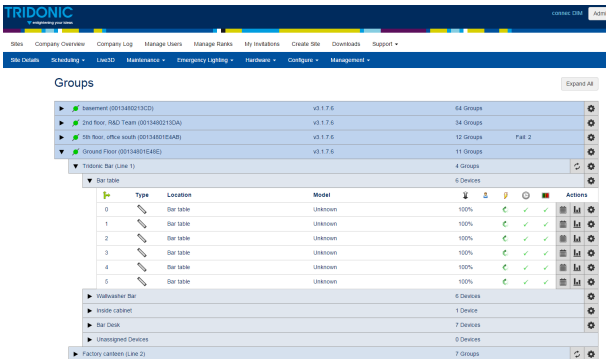


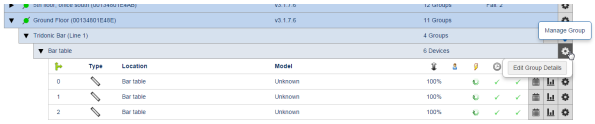
This will give you an overview of all DALI groups created for your site.

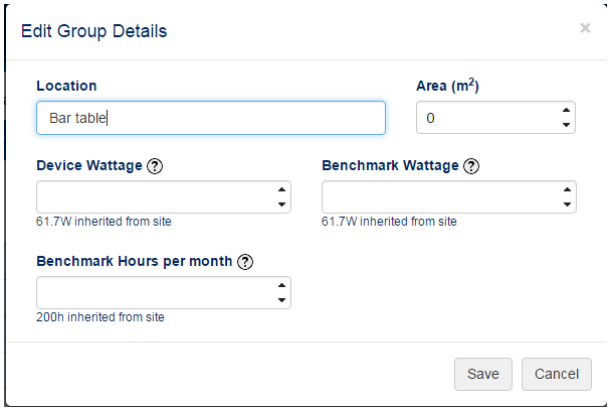


It is possible to Manage Gateways/Lines or Devices Details. An addition to the Device window (Hardware/Devices) is that Group Details can also be managed.



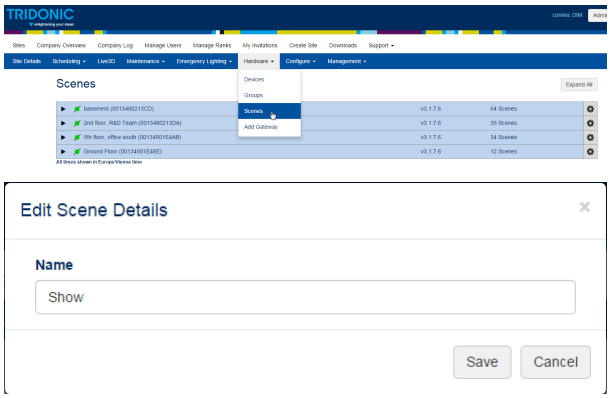


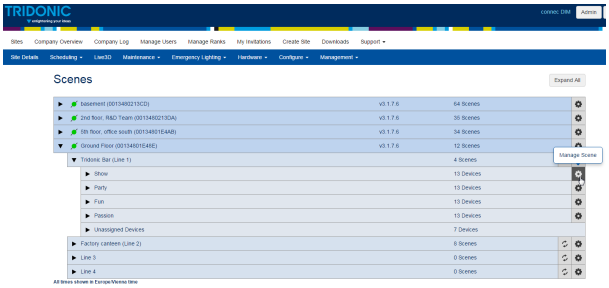




8.6.6. Scenes

Select Hardware > Scenes.
This window shows the overview of the programmed scenes for the different DALI Lines. An addition to the device window (Hardware/Devices) is that Scene Details can also be managed.

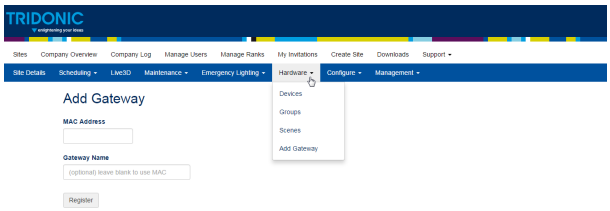


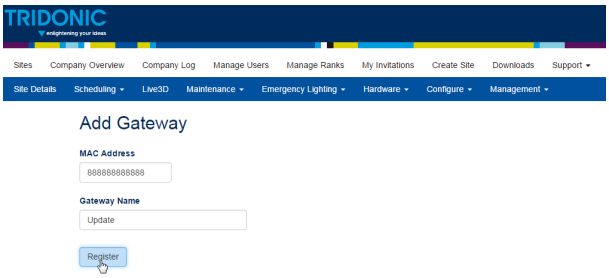


8.6.7. Add Gateway

Select Hardware > Add Gateway

In this window you can add additional gateways to your existing site. Type the MAC address and the gateway name in and select Register.

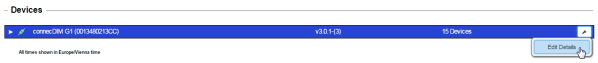




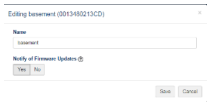
8.7. Update Gateway Firmware

Select Hardware > devices > manage gateway

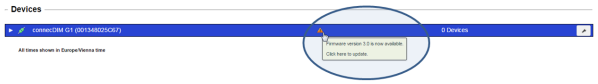
Select Edit Details.



Select Yes for Notify of firmware Updates.

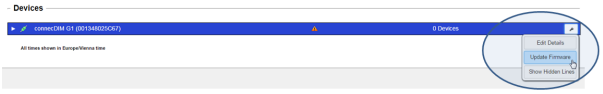


As soon as a firmware update is available it will be notified on the Device page.



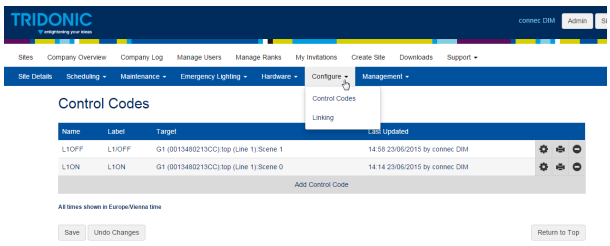
The firmware can be updated by clicking on the triangle with the call sign or by selecting the gear symbol on the right side.

If the gear symbol on the right side is selected a new window will appear with the option Update Firmware. By selecting this option the Firmware will also been updated.



8.8. connecDIM Configure

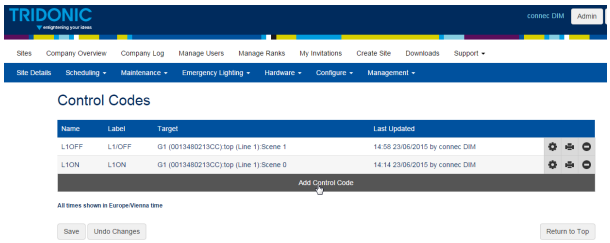
Configure window displays Control Codes and Linking



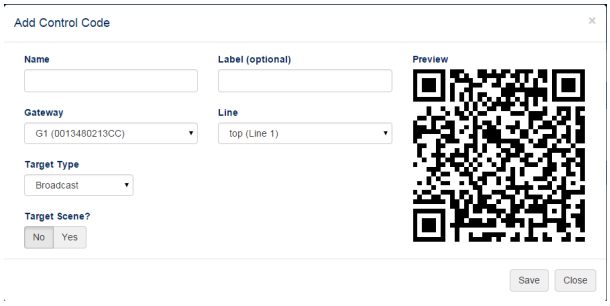
8.8.1. Control Codes

Select Configure > Control Codes to reach the control code window. In this window you can create QR codes which can be scanned by the connecDIMLite app and allowing you to control your light without switches.

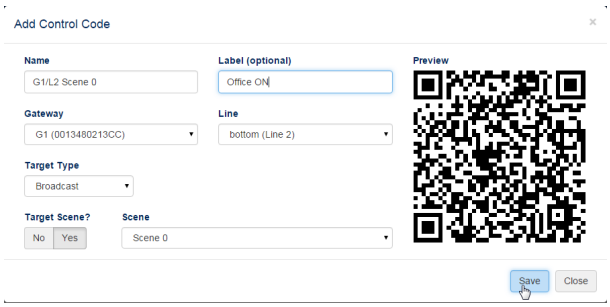
Select add control code



In the new window you can enter the name and label. You have to select the GW and Line and then you can select the command which should be send when the QR Code is scanned.



Once you have made your settings select Save.



Existing control codes can be edited, printed and removed

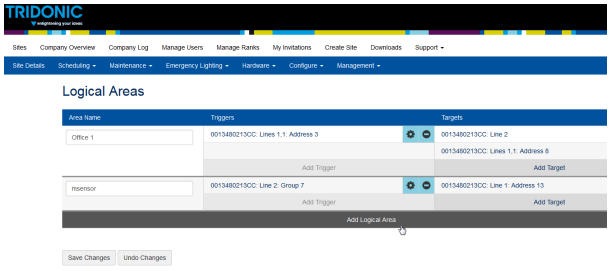
8.8.2. Logical Areas

Select Configure > Logical Areas. Logical Areas are allowing you to create "virtual groups" which can be spread over several gateways and DALI Lines.
connecDIM makes it possible to control buildings in spaces (e.g. rooms, levels) without having to know DALI.

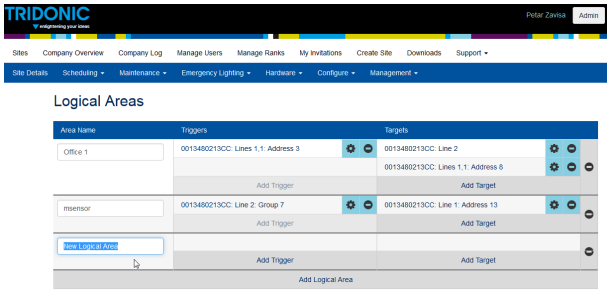
Opportunities offered by logical areas:

- Be controlled with one Tridonic DALI device
- Provide an energy graph over larger space
- Email report on failures and warnings
- Can be scheduled
- Can be restricted to a System Administrator

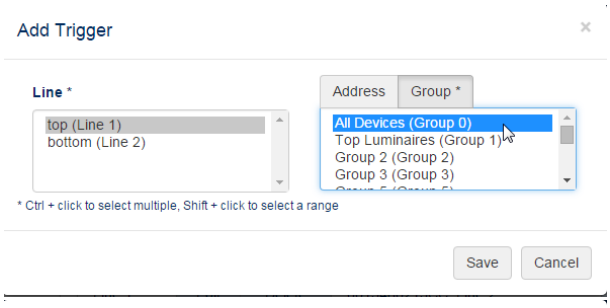
Select add logical area.

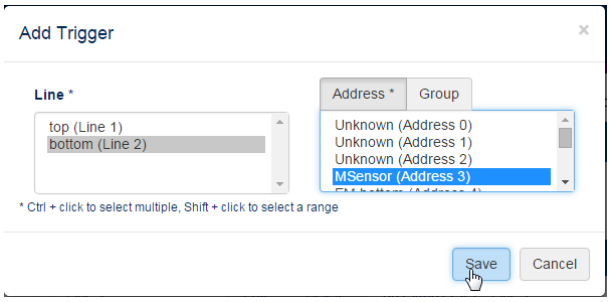


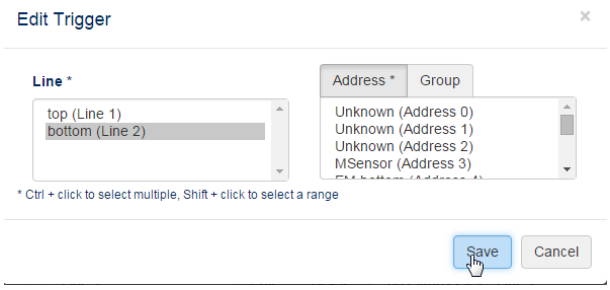
Type in a name for the logical area.



Select add trigger. A trigger can be a DALI line, group or device. Each command send to the trigger e.g. OFF by a DALI XC will be monitored by connecDIM system and forwarded to the target. Only one DALI line, group or device can be selected as a trigger.





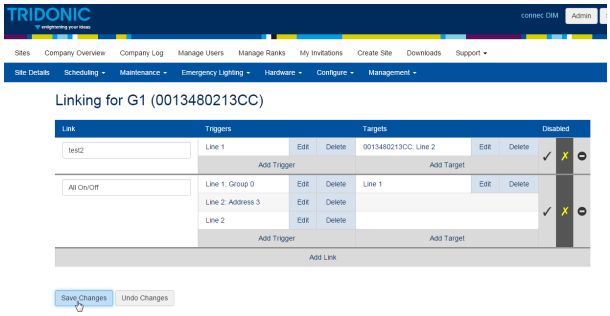


Select add target. Several DALI lines, groups or devices can be selected as a target.

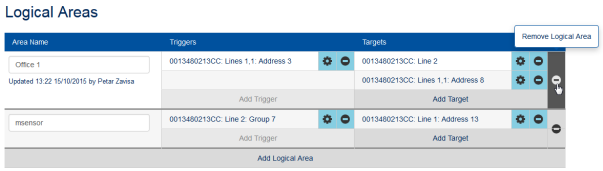
Supported commands for logical areas

Following commands send to the trigger will be forwarded to the target.
Direct Arc Power commands, commands 0-8 and go to scene commands 16-31

Once you have made your settings select save changes.



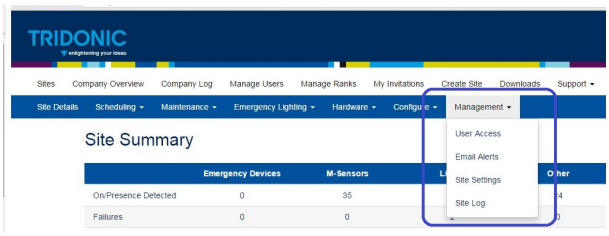
Logical areas can be enabled/disabled or deleted.

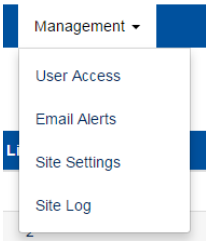


8.9. Management

You are logged in and have selected the site you would like to view.

- Select Management in the following menu. You can select User Access, Email Alerts, Site Settings and Site Log.



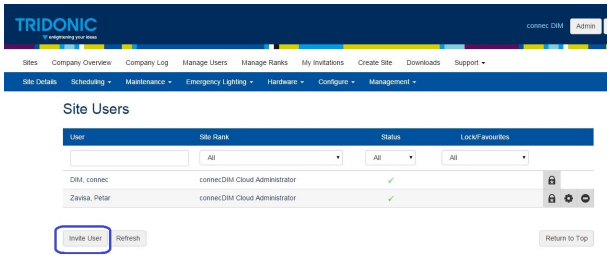


8.10. User Access

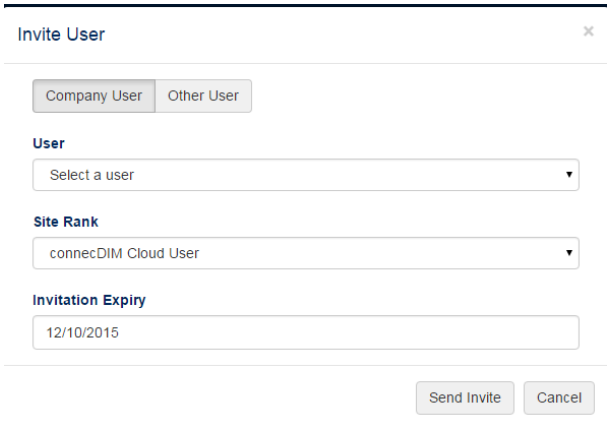
8.10.1. Invite User

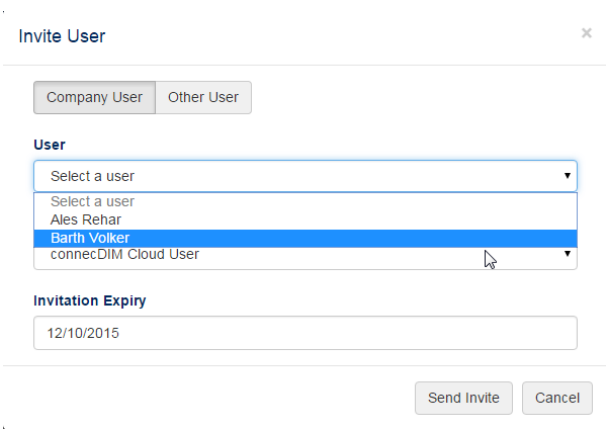
The Site Users page gives you an overview of all users who are invited to your site.

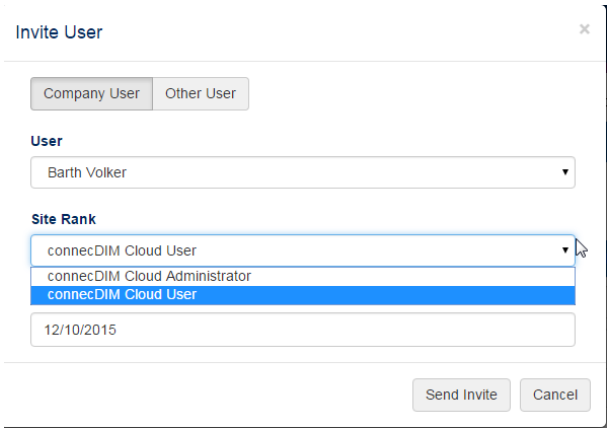
It is possible to invite new users by selecting the field Invite User

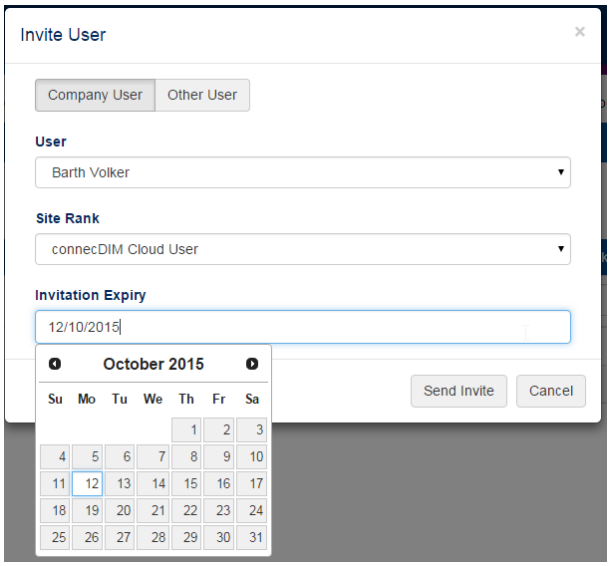


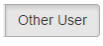
Once selected you can select Company User or Other User.
If the user is already registered as a company user, select the user you would like to add to this site. Then you can select the Site Rank (more details about ranks can be found in the section Company Rank Icons, 15).







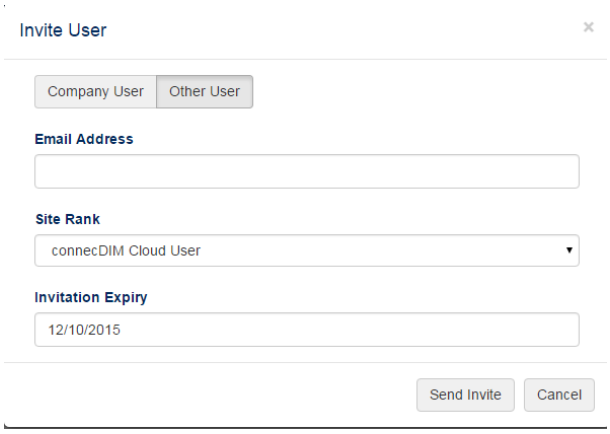




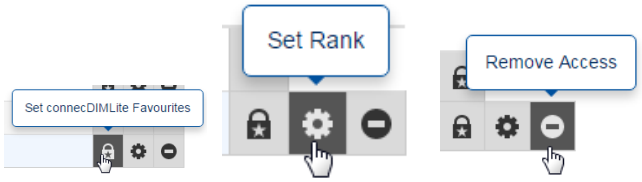
If the user isn't an registered company user, select the field Other User . Now you need to type in the Email address from the user you would like to invite. Also you can select the site rank and when the invitation should expire.

NOTICE

Important: the user needs to register to connecDIM.com to be able to get access to your site.

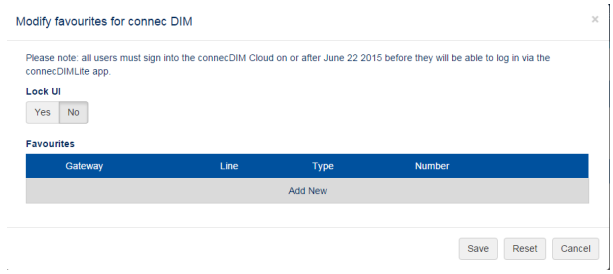


Once you have invited all users you can use Set connecDIMLite Favorites, Set Ranks and also Remove Access.

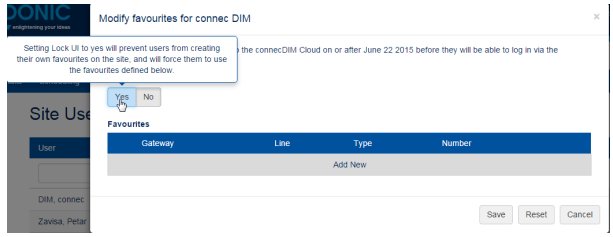


8.10.2. Set connecDIMLite Favorites

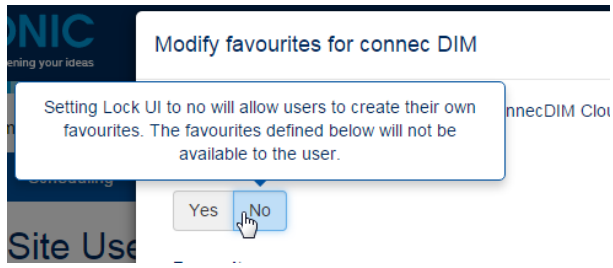
In the section set connecDIMLite Favorites you can predefine the favorites for each user.



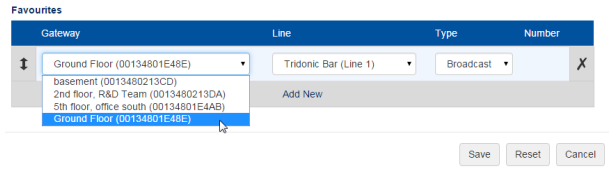
Two options are available. Lock UI YES and NO.
Setting Lock UI to yes will prevent users from creating their own favourites and will force them to use the predefined favourites.

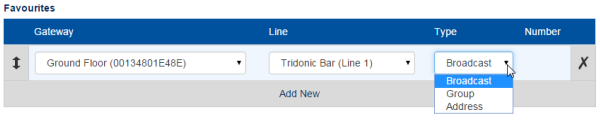


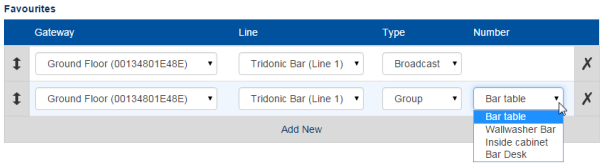
Setting Lock UI to no will allow users to create their own favourites. Predefined favourites will not be visible in the connecDIMLite app.

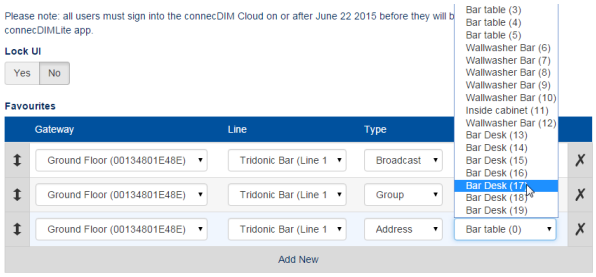

Modify favourites for connec DIM
Setting Lock UI to no will allow users to create their own favourites. The favourites defined below will not be available to the user.
Yes
No

To add predefined favourites you have to select the gateway, line, type (Broadcast = the whole DALI line, Group = predefined group of luminaires or Address = one specific luminaire)

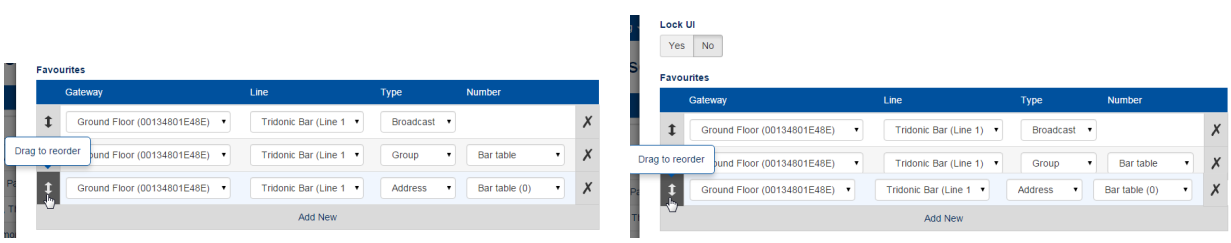


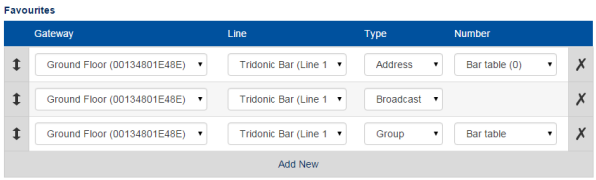






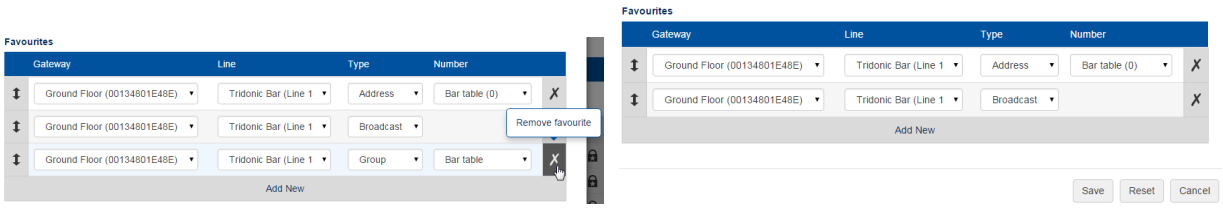
Once you have added all favourites, you can also reorder the favourites by selecting the field Drag to reorder





Remove favourite

Also, it is possible to delete/remove favourites .

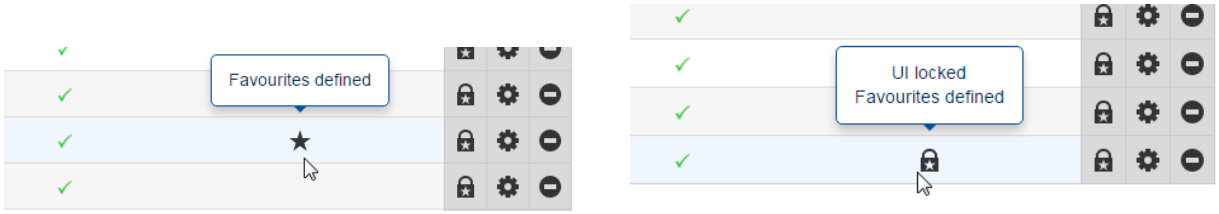


Save

Once you have added all the favourites you need to select Save .
The Site User page gives you an overview of all the site users and it shows if they have favourites defined and if th eir UI is locked.

NOTICE

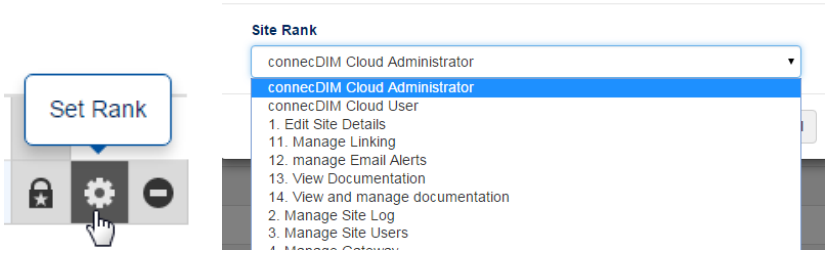
Important: Keep in mind that the user will see his favourites in the connecDIMLite app only if you lock the UI.



Set Ranks

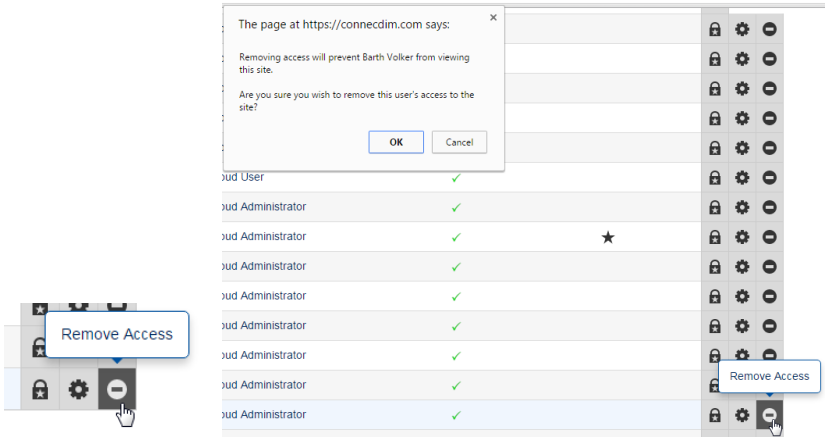
There are two default ranks predefined for the connecDIM cloud: Administrator and User.
It is possible to create additional ranks (for more details see section Site Rank Icons, 16).

In the Set Ranks window you can change the site rank e.g. change a user's rank from administrator to user.



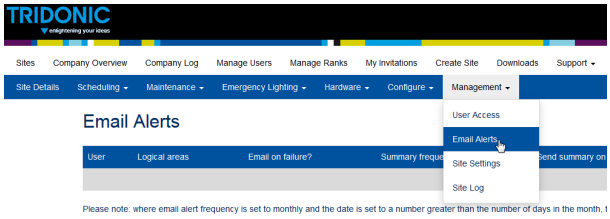
Remove Access

In the remove access window you can remove an existing user. Once you have selected Remove Access, a pop up window will open and ask you if you are sure to do this. Confirm this by selecting the field OK or decline this by selecting the field Cancel.

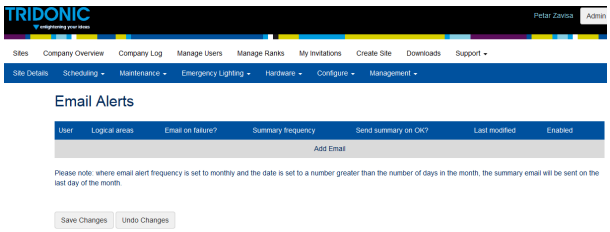

The page at https://connecdim.com says:
Removing access will prevent Barth Volker from viewing this site.
Are you sure you wish to remove this user's access to the site?
OK
Cancel
Remove Access
Remove Access

8.11. Email Alerts

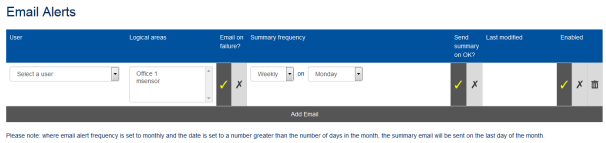
Select Email Alerts in the Management drop down menu.



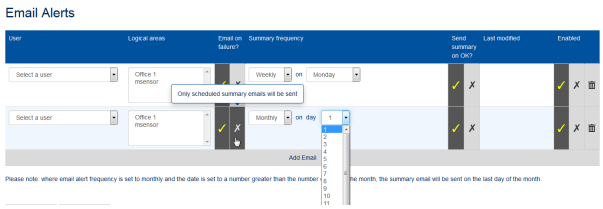
Select Add Email to setup Email Alerts.

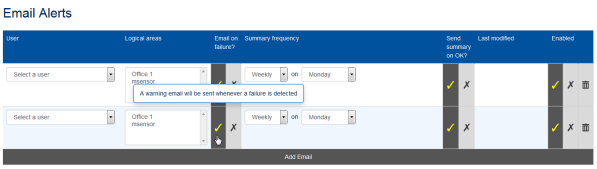


Select the user who will receive an email and the logical areas which should be reported.

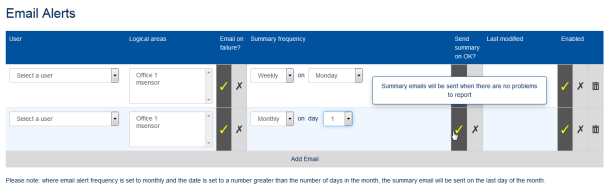

Email Alerts
User
Logical areas
Email on failure?
Summary frequency
Send summary on OK?
Last modified
Enabled
Add Email
Please note: where email alert frequency is set to monthly and the date is set to a number greater than the number of days in the month, the summary email will be sent on the last day of the month.

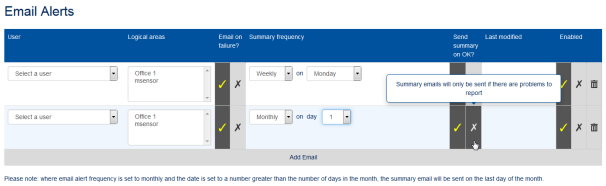
You can select if an email will be sent as soon as a failure is detected or if only summaries will be sent. The summary frequency can be selected weekly or monthly. For weekly, you can select the day of the week when the mail should be send and for monthly you can select the date.



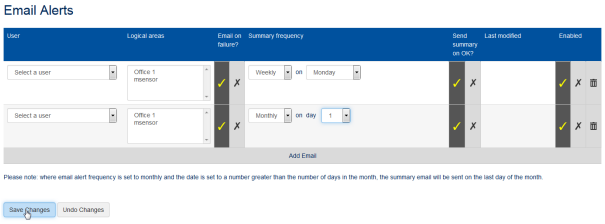


You can select if summary emails should also be send if everything is ok.



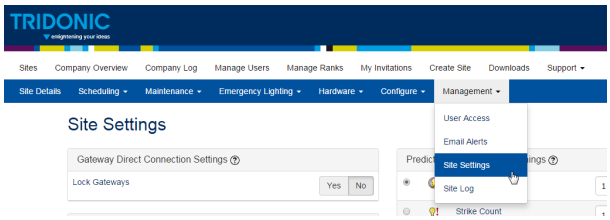


Once you have set all the Email Alerts, select Save Changes .



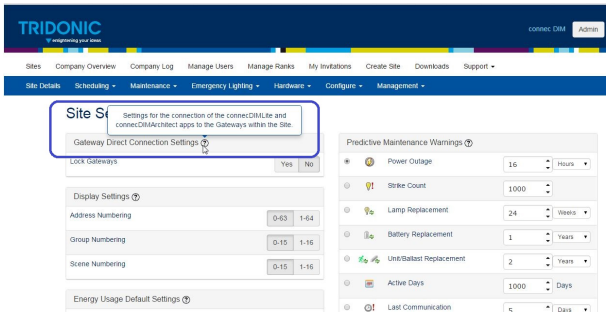
8.12. Site Settings

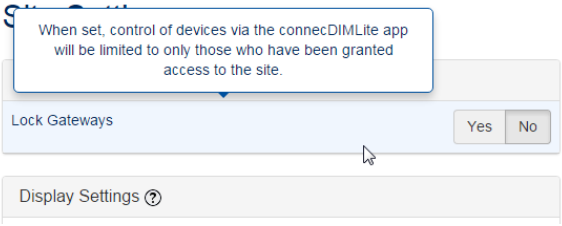
Select Site Settings in the Management drop down menu.

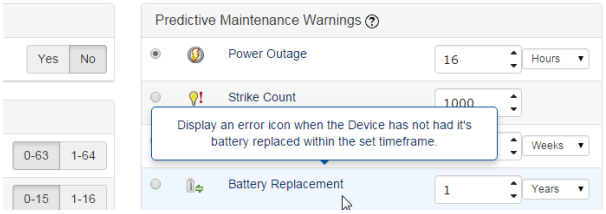


Site Settings allows you to modify Gateway Direct connection Settings, Display Settings, Energy Usage Default Settings, Recent Warning Settings, Predictive Maintenance Warnings.

- By selecting the question mark or moving the cursor over the area you will receive information for the different subjects.




When set, control of devices via the connecDIMLite app will be limited to only those who have been granted access to the site.
Lock Gateways
Yes
No
Display Settings

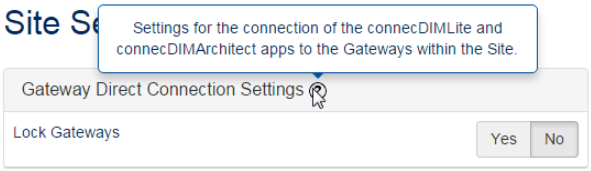


8.12.1. Gateway Direct connection Settings

Gateway Direct connection Settings allows you to lock the gateways registered to your site. This is useful if you want to have full control over who is connecting to your gateway in the Wi-Fi network. Imagine a situation where connecDIM is connected to Wi-Fi and a lot of user are allowed to connect to the Wi-Fi (they know the password), but only certain users should be able to control the light.
Also this is a security feature because once the gateway is locked the connecDIMArchitect app isn't allowed to connect to this gateway. This prevents the settings in the installation to be changed by accident.

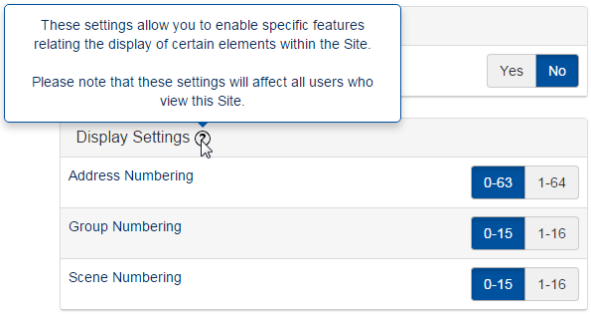
⚠ CAUTION!

Once the gateway is locked only registered site users are allowed to connect to the gateway. The connecDIMArchitect app will not be operable. Only the connecDIMLite app will be operable.


Site Se
Settings for the connection of the connecDIMLite and connecDIMArchitect apps to the Gateways within the Site.
Gateway Direct Connection Settings
Lock Gateways
Yes
No

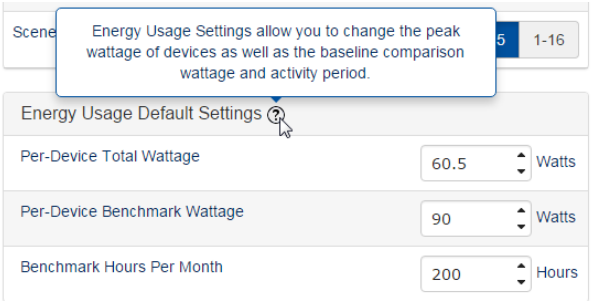
8.12.2. Display Settings

Display settings allow you to change the numbering in the Cloud. DALI always starts counting from zero, but most people start to count from one. Here the numbering can be changed.



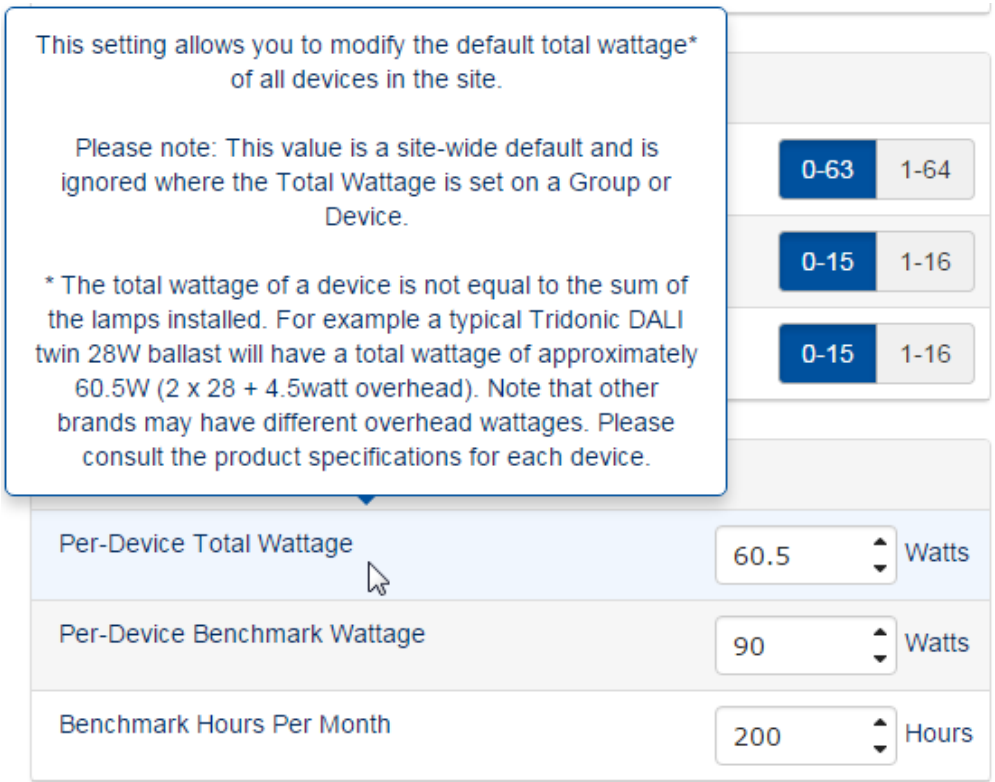
8.12.3. Energy Usage Default Settings

Energy Usage Settings allow you to change the peak wattage of devices as well as the baseline comparison wattage and activity period.

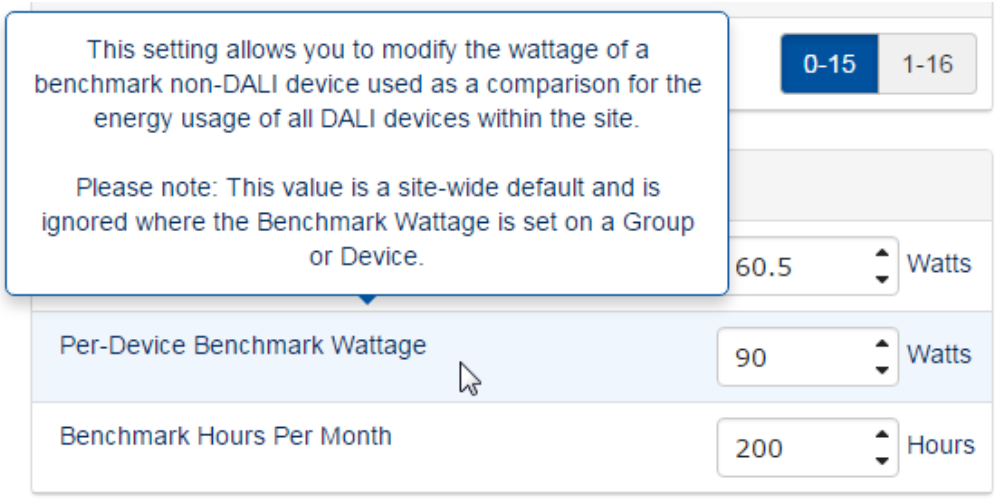


Actually there are three different settings you can change:

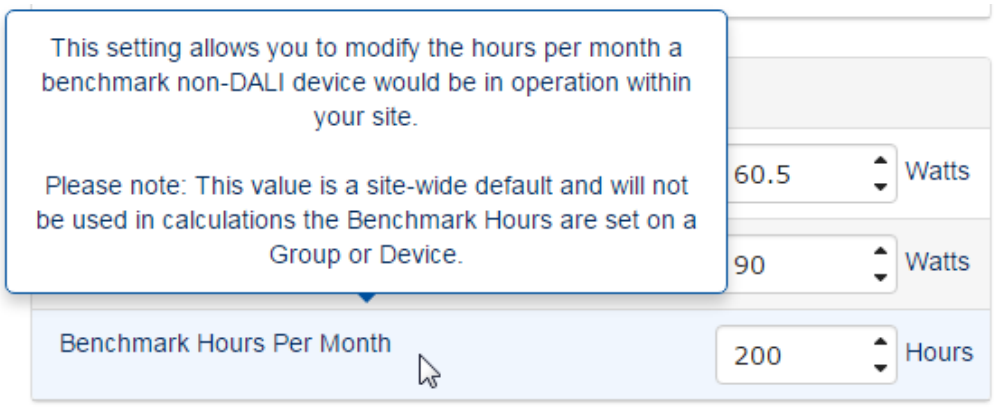
Per-Device Total Wattage


This setting allows you to modify the default total wattage* of all devices in the site.
Please note: This value is a site-wide default and is ignored where the Total Wattage is set on a Group or Device.
* The total wattage of a device is not equal to the sum of the lamps installed. For example a typical Tridonic DALI twin 28W ballast will have a total wattage of approximately 60.5W (2 x 28 + 4.5watt overhead). Note that other brands may have different overhead wattages. Please consult the product specifications for each device.
0-63
1-64
0-15
1-16
0-15
1-16
Per-Device Total Wattage
60.5
Watts
Per-Device Benchmark Wattage
90
Watts
Benchmark Hours Per Month
200
Hours

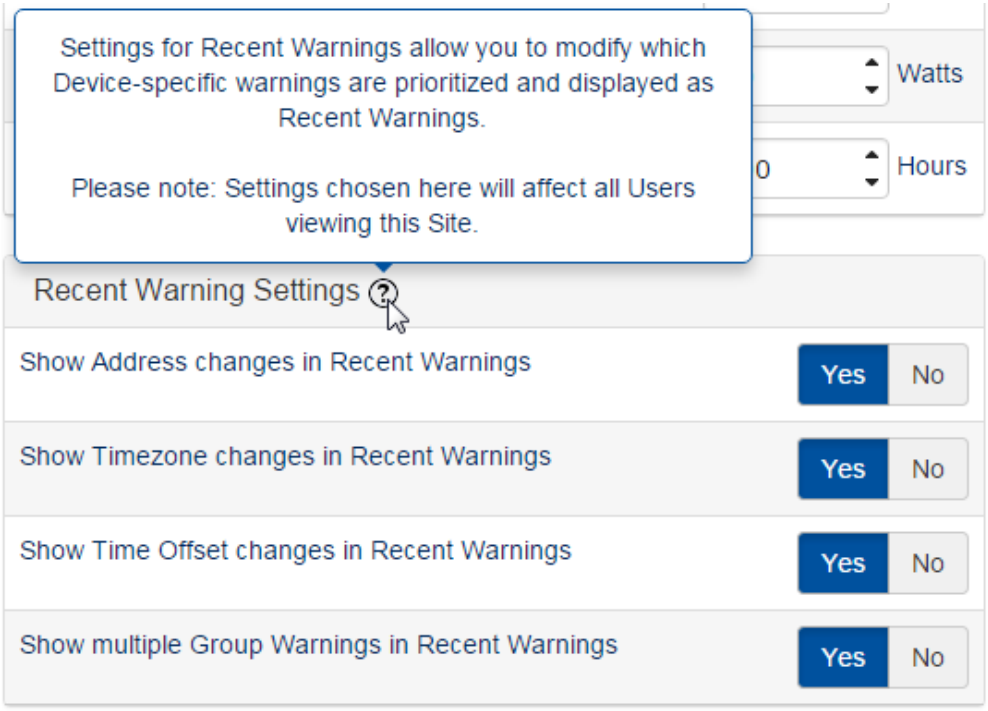
Per-Device Benchmark Wattage


This setting allows you to modify the wattage of a benchmark non-DALI device used as a comparison for the energy usage of all DALI devices within the site.
Please note: This value is a site-wide default and is ignored where the Benchmark Wattage is set on a Group or Device.
0-15
1-16
60.5
Watts
Per-Device Benchmark Wattage
90
Watts
Benchmark Hours Per Month
200
Hours

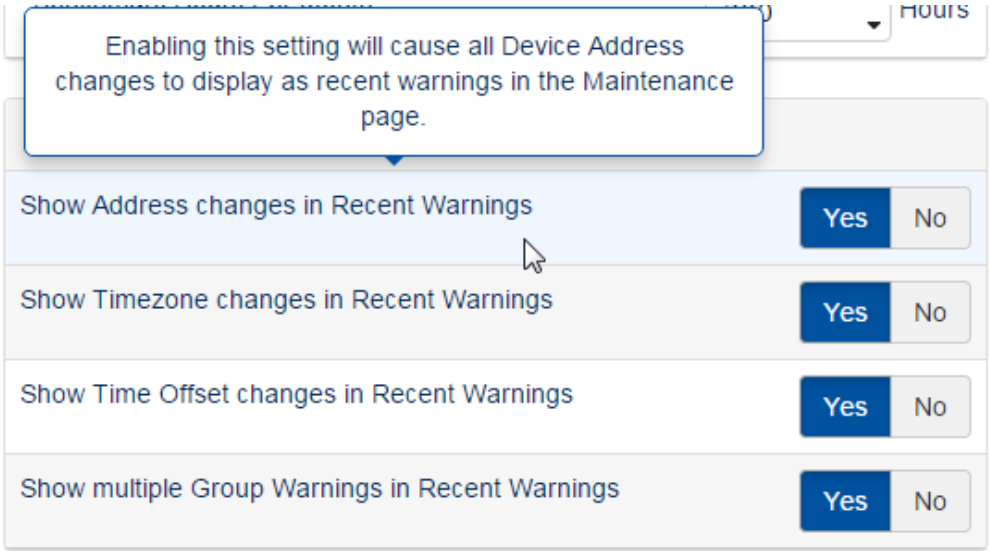
Benchmark Hours Per Month


This setting allows you to modify the hours per month a benchmark non-DALI device would be in operation within your site.
Please note: This value is a site-wide default and will not be used in calculations the Benchmark Hours are set on a Group or Device.
60.5
Watts
90
Watts
Benchmark Hours Per Month
200
Hours

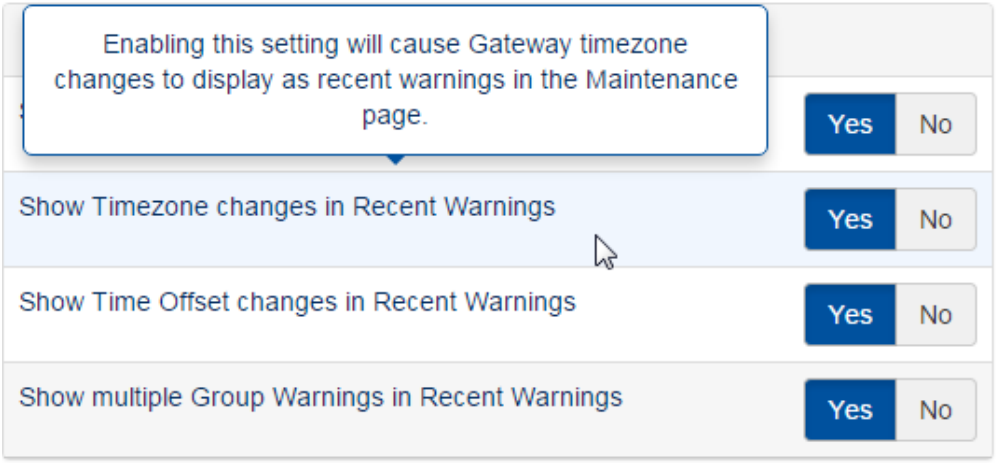
8.12.4. Recent Warning Settings


Settings for Recent Warnings allow you to modify which Device-specific warnings are prioritized and displayed as Recent Warnings.
Please note: Settings chosen here will affect all Users viewing this Site.
Watts
Hours
Recent Warning Settings
Show Address changes in Recent Warnings
Yes
No
Show Timezone changes in Recent Warnings
Yes
No
Show Time Offset changes in Recent Warnings
Yes
No
Show multiple Group Warnings in Recent Warnings
Yes
No

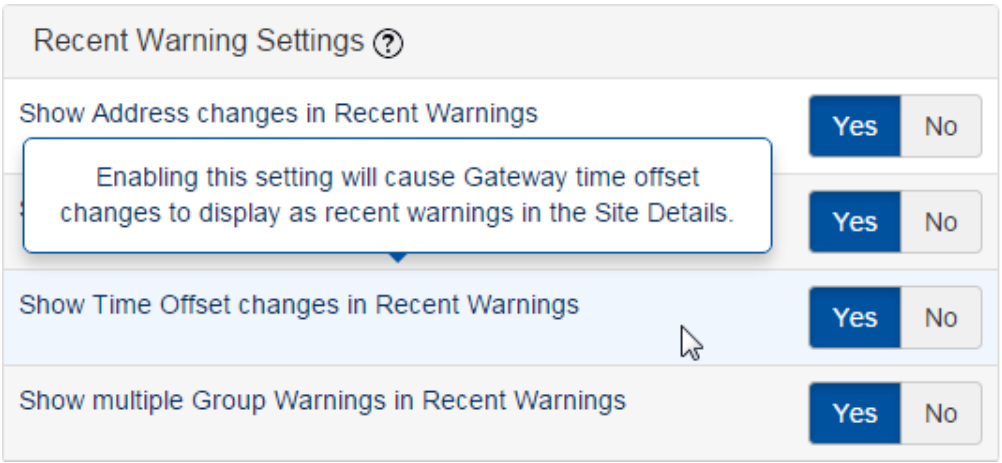
Show Address changes



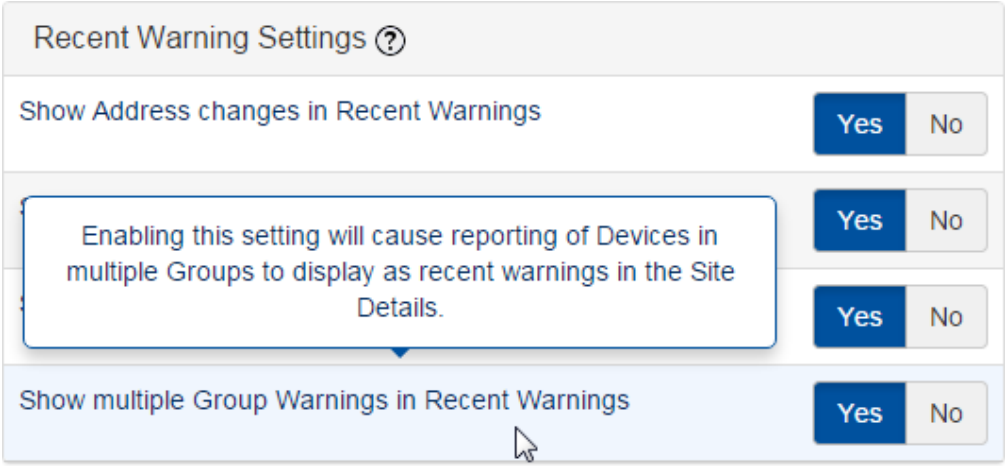
Show Timezone changes



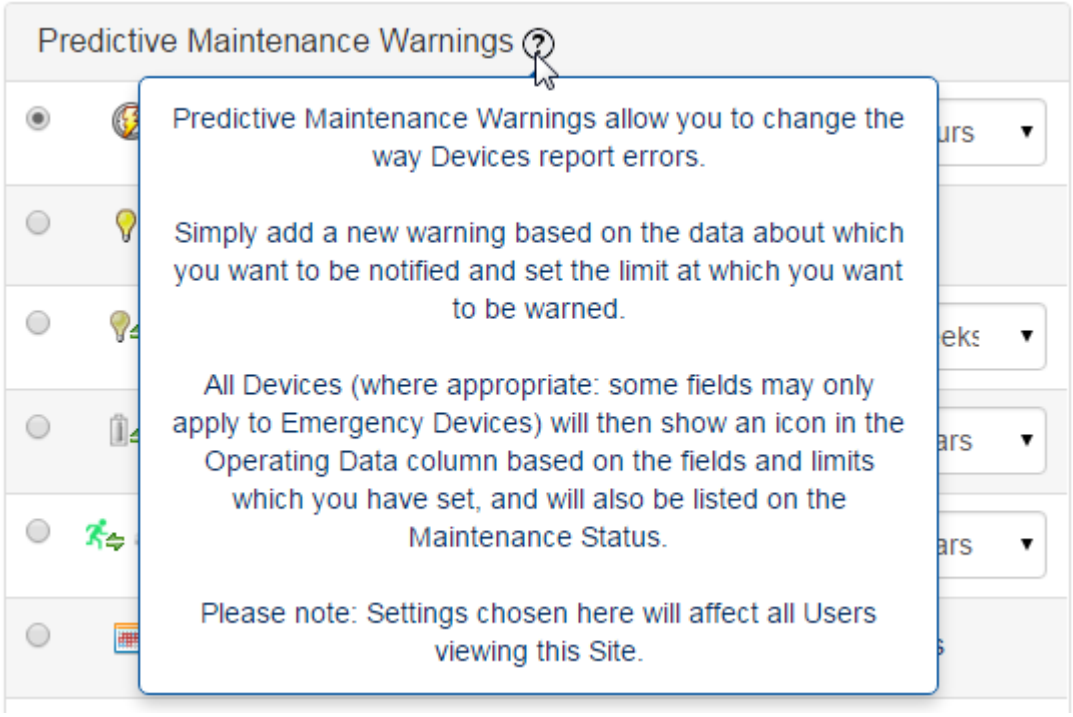
Show Time Offset changes



Show Multiple Group Warnings

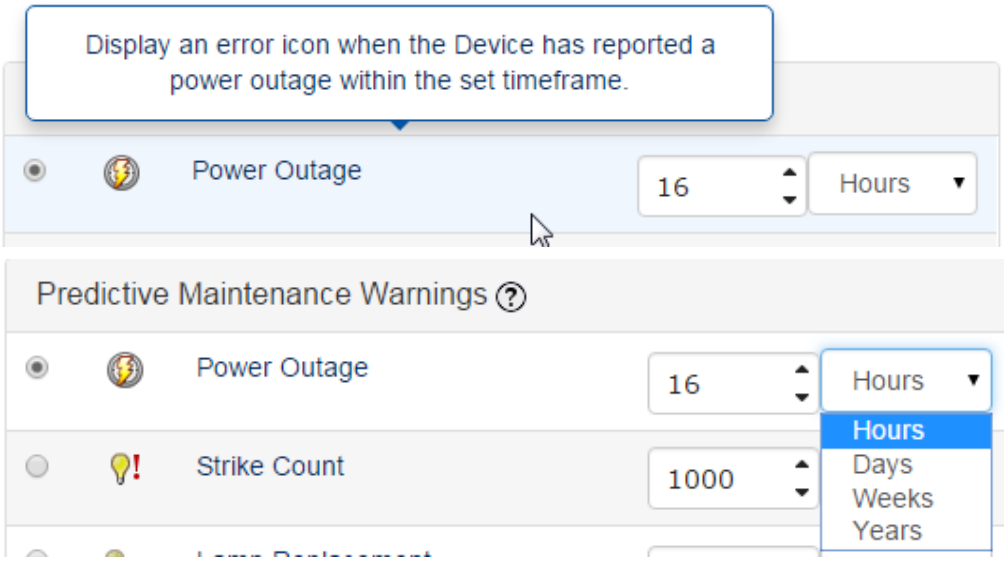


8.12.5. Predictive Maintenance Warnings

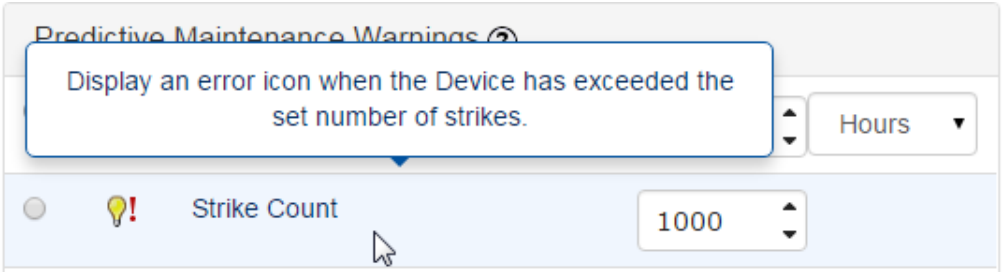

Predictive Maintenance Warnings
Predictive Maintenance Warnings allow you to change the way Devices report errors.
Simply add a new warning based on the data about which you want to be notified and set the limit at which you want to be warned.
All Devices (where appropriate: some fields may only apply to Emergency Devices) will then show an icon in the Operating Data column based on the fields and limits which you have set, and will also be listed on the Maintenance Status.
Please note: Settings chosen here will affect all Users viewing this Site.

Power Outage

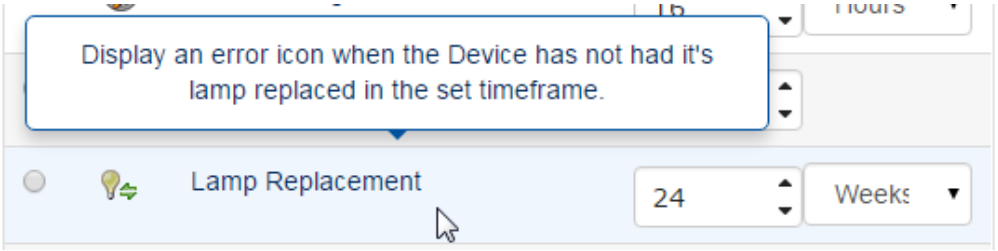
The device has been without mains power within the time frame specified in the Predictive Maintenance Settings.



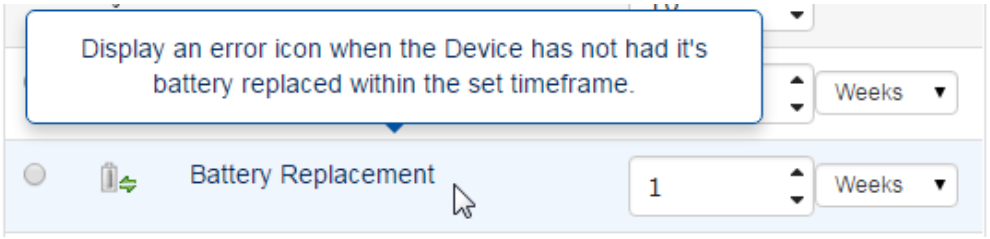
Strike Count


Predictive Maintenance Warnings
Display an error icon when the Device has exceeded the set number of strikes.
Hours
Strike Count
1000

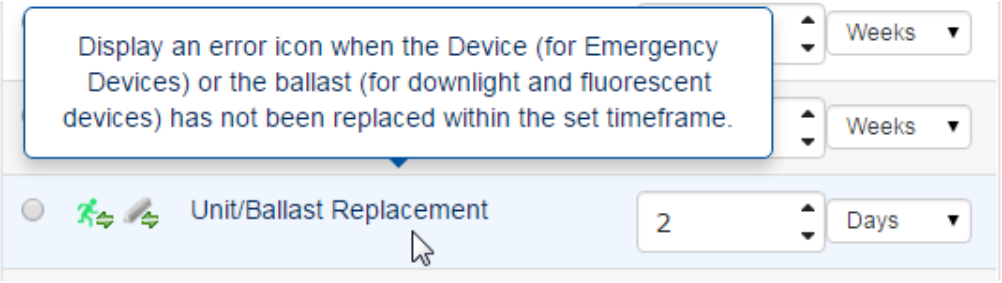
Lamp Replacement



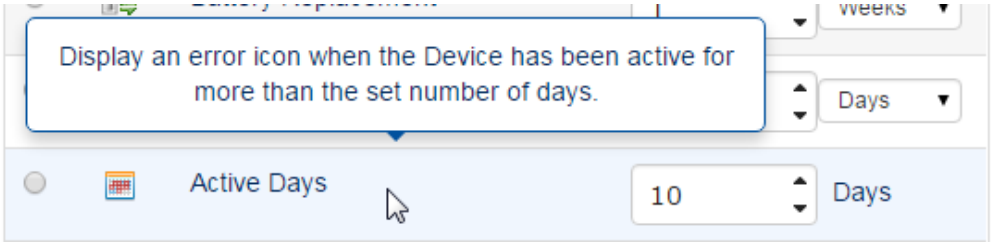
Battery Replacement


Display an error icon when the Device has not had it's battery replaced within the set timeframe.
Weeks
Battery Replacement
1
Weeks

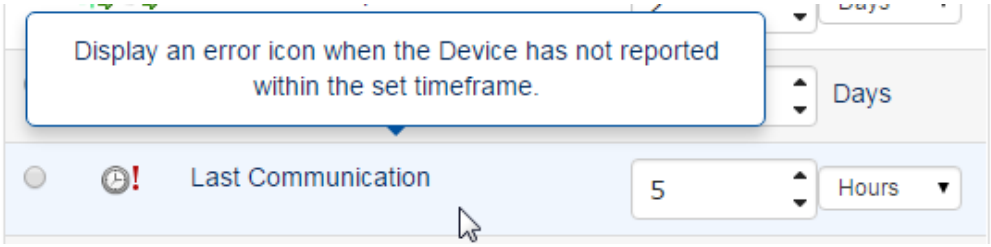
Unit/Ballast Replacement


Display an error icon when the Device (for Emergency Devices) or the ballast (for downlight and fluorescent devices) has not been replaced within the set timeframe.
Weeks
Weeks
Unit/Ballast Replacement
2
Days

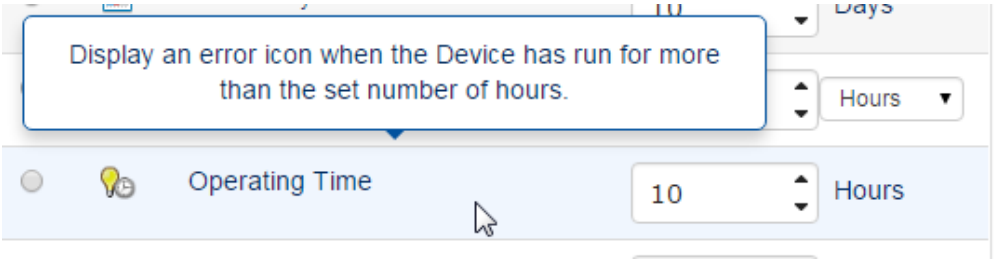
Active Days



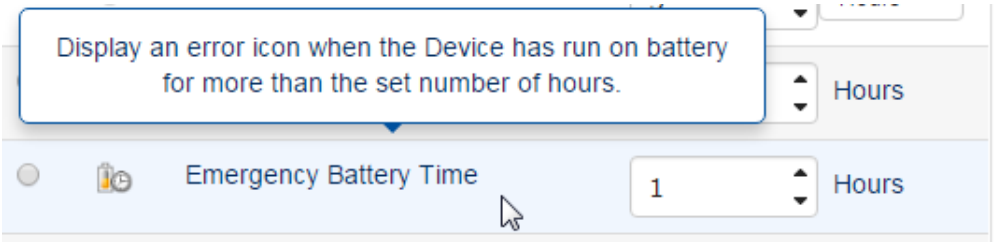
Last Communication



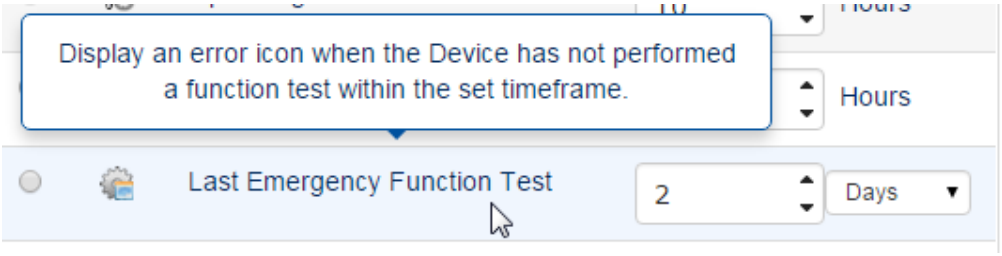
Operating Time



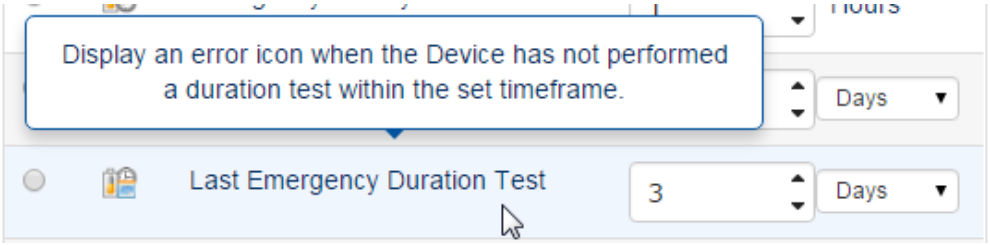
Emergency Battery Time


Display an error icon when the Device has run on battery for more than the set number of hours.
Hours
Emergency Battery Time
1
Hours

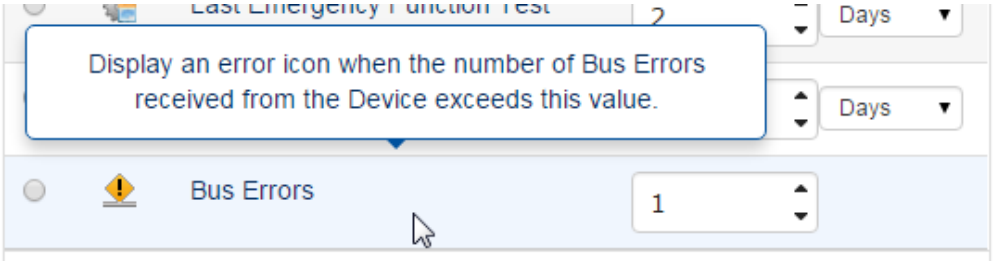
Last Emergency Function Test


Display an error icon when the Device has not performed a function test within the set timeframe.
Hours
Last Emergency Function Test
2
Days

Last Emergency Duration Test


Display an error icon when the Device has not performed a duration test within the set timeframe.
Days
Last Emergency Duration Test
3
Days

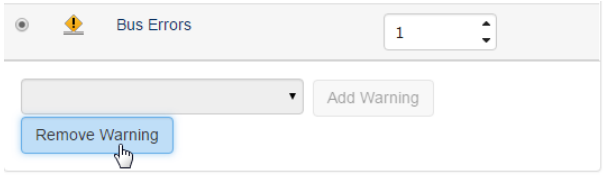
Bus Errors



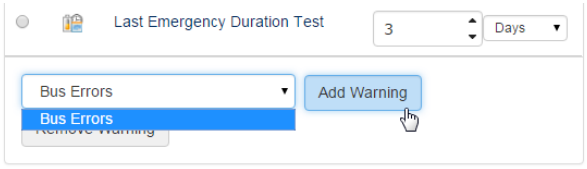
Add / Remove Warnings

It is possible to remove warnings which aren't needed. To remove a warning you have to select the warning in question and then select Remove Warning

. In this case the warning Bus Error is selected

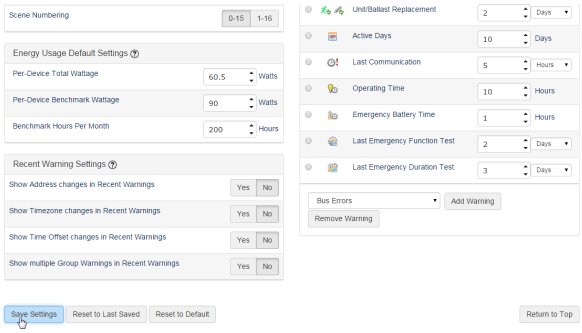


Once removed, warnings can also be added back again.



8.12.6. Save Site Settings

Once you have made all your settings, select Save Settings at the bottom of the Page.

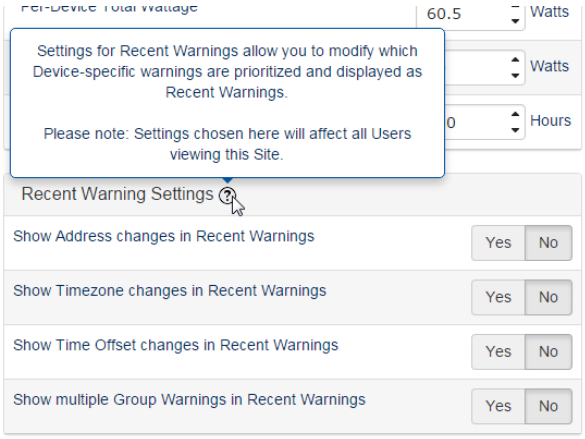


It is also possible to reset the settings to the last saved state

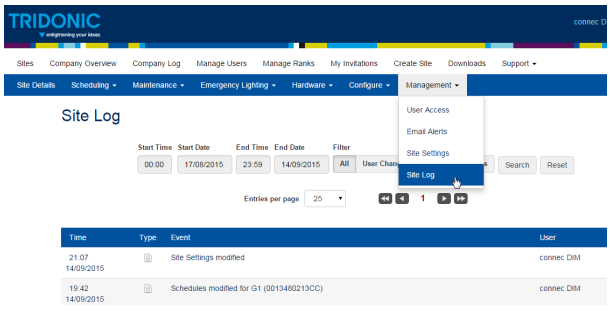
or to reset it to default

8.13. Site Log

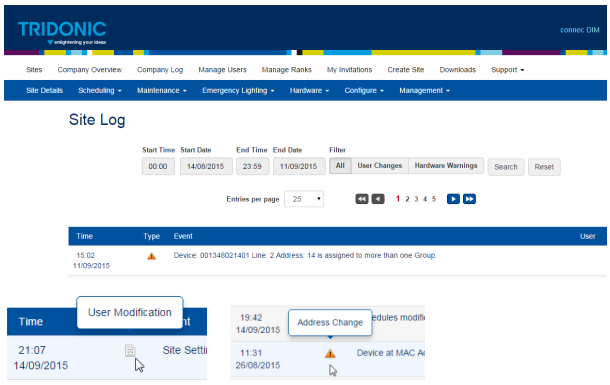
Site log shows the recent Warnings which have been selected in the Site Settings (Management/Site Settings).

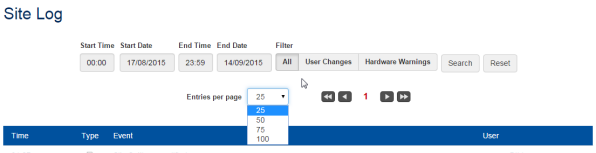

60.5
Watts
Hours
Settings for Recent Warnings allow you to modify which Device-specific warnings are prioritized and displayed as Recent Warnings.
Please note: Settings chosen here will affect all Users viewing this Site.
Recent Warning Settings
Show Address changes in Recent Warnings
Show Timezone changes in Recent Warnings
Show Time Offset changes in Recent Warnings
Show multiple Group Warnings in Recent Warnings
Yes
No

Select Site Log in the Management drop down menu.



Now you can see the log for the site. It is possible to filter between All, User Changes and hardware warnings. Also, it is possible to filter the start and end date and time. Entries per page can also be selected between 25, 50, 75 or 100 for each page. Different logs do also have different symbols for User Changes and for Hardware Warnings.





9. Download and Use the connecDIM Apps

To download the apps go to the app store and type in connecDIM in the search field.

9.1. connecDIM Lite

- Wireless control of your lights
- For small home installations up to multi-level buildings
- Controls tailored to your devices
- Device names will be taken from the connecDIM cloud
- Available for iPhone, iPad, iPod and Android

(Download)

(Download)

9.2. connecDIM Architect

- Intuitive wireless commissioning of any size DALI system
- On-site luminaire identification
- Easily configure DALI devices including emergency lighting and colour control devices
- Available for iPhone, iPad and iPod Touch

(Download)

10. Cloud Security

10.1. Risks of Opening a Site to the Internet

The most common way that system integrators access a site remotely is to open a hole in the firewall. An incoming hole in your firewall gives the system integrator a path to connect into the system remotely and change or control a dedicated computer on site.

An incoming hole in your firewall opens a security risk. With a hole in your site's firewall, a hacker can use this to damage your installation.

By not opening any incoming ports on your firewall, you protect your building. There is no open security hole.

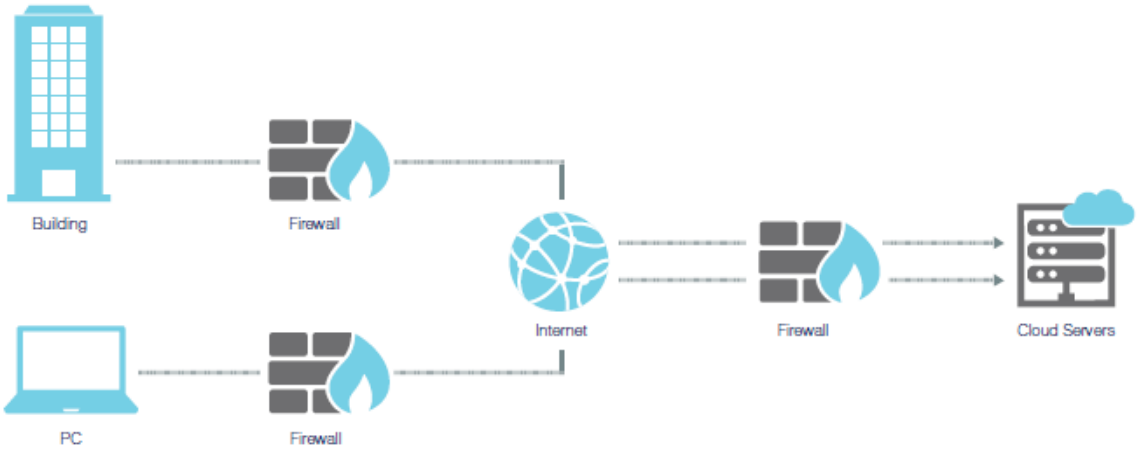
But how do you allow access to your site without opening up a way in for them?

10.2. The connecDIM Cloud Solution

The solution for allowing access to your site and not opening a hole in your firewall is to use the connecDIM cloud.

With the connecDIM cloud, your site connects to the cloud but does not allow the cloud to initiate a connection back to it. Third parties do not connect to your site, they also only connect to the cloud.

The cloud creates a buffer of protection for your site and prevents unauthorised connections to your site.



When the IT department sets up the internet connection for the connecDIM site, it will be a welcome and pleasant surprise when they learn that are no incoming firewall ports to open.

10.3. Password Security

To increase security make sure your account password secure. Keeping your password safe is a combination of best practice between the user and the cloud.

10.4. HTTPS Encryption

The connecDIM cloud implements both firewall techniques and the latest standards in HTTPs forward secrecy encryption. All information transmitted between the cloud and the web browser is encrypted to prevent sniffing.

10.5. Password Security

All account passwords are stored on the connecDIM in encrypted form. User passwords are not viewable to anyone.

10.6. What You Can Do

As a user don't share your password with others. Also, try not to use the same password for multiple accounts, for example if a person was to hack your Facebook account they might then try the same password on the connecDIM cloud. Try and use a combination of letters, symbols, and numbers for your password, and regularly check your computer for viruses, keyloggers, and malware.

11. Documentation Version History

connecDIM | 11-2015 | 1.0 | en
19.11.2015 V1.0 first official version
17.12.2015 V1.1 Logical Areas updated.